T. Rowell

# A systematic list of scientific and / or common names of invertebrates, vertebrates, and marine plants and their respective research codes used by Marine Fish Division, Fisheries and Oceans

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Canadian Data Report of
Fisheries and Aquatic Sciences 399

MARCH 1983

# A SYSTEMATIC LIST OF SCIENTIFIC AND/OR COMMON NAMES OF INVERTEBRATES, VERTEBRATES, AND MARINE PLANTS AND THEIR RESPECTIVE RESEARCH CODES USED BY MARINE FISH DIVISION, FISHERIES AND OCEANS

by

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## ABSTRACT

Waite, L. E. 1983. A systematic list of scientific and/or common names of invertebrates, vertebrates, and marine plants and their respective research codes used by Marine Fish Division, Fisheries and Oceans. Can. Data Rep. Fish. Aquat. Sci. 399: v + 141 p.

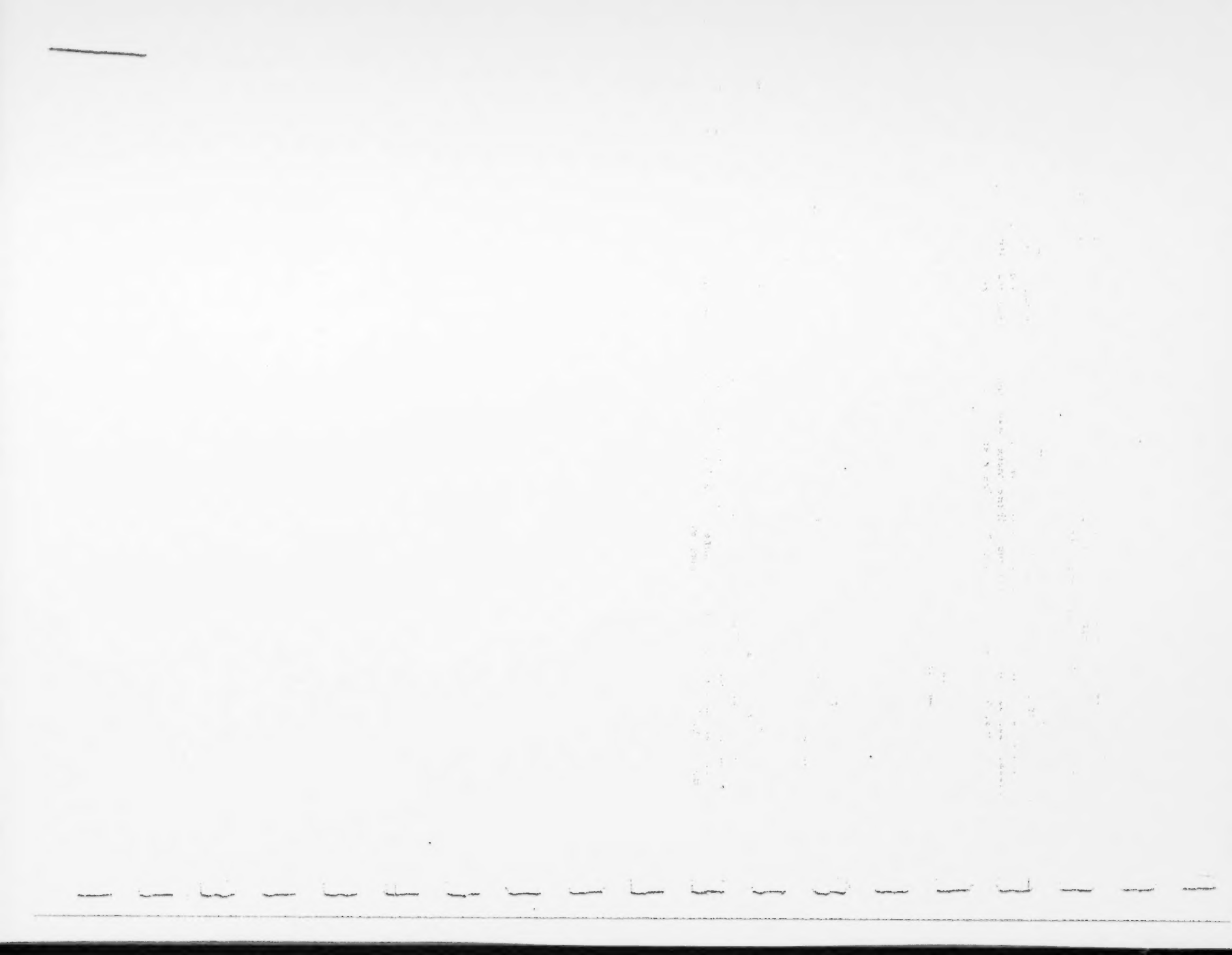
A systematic list of marine fauna and flora from the eastern seaboard of Canada, mainly the Gulf of St. Lawrence, Bay of Fundy, Grand Banks, Scotian Shelf, and the fresh and estuarine waters of New Brunswick and Nova Scotia with their corresponding research codes for 1044 genera and/or species, along with related families, classes, phyla, etc. is given. These codes have been used since the 1950's by Marine Fish Division in St. Andrews, N.B., and in Dartmouth, N.S. There are a total of 1278 codes in all.


Key words: Marine plants, marine mammals, fishes, invertebrates, taxonomy, scientific names, authorities, systematics, species, codes


## RÉSUMÉ

Waite, L. E. 1983. A systematic list of scientific and/or common names of invertebrates, vertebrates, and marine plants and their respective research codes used by Marine Fish Division, Fisheries and Oceans. Can. Data Rep. Fish. Aquat. Sci. 399: v + 141 p.

L'ouvrage présente une liste systématique de la faune et de la flore marines de la côte est du Canada, notamment du golfe du Saint-Laurent, de la baie de Fundy, des grands bancs, du plateau continental de Scotian et des eaux douces et d'estuaires du Nouveau-Brunswick et de la Nouvelle-Écosse, avec les codes de recherche correspondant à 1 044 genres ou espèces, ainsi qu'aux familles, classes, phyla, etc., connexes. Ces codes sont utilisés depuis les années cinquante par la Division des poissons marins à Saint-Andrews (N.-B.) et à Darthmouth (N.-É.). Il y a 1 278 codes en tout.



## INTRODUCTION

This list was originally used by the Marine Fish Division in the 1950's and was intended for use in identifying species described on a species card, a fish card, a length-frequency card, a catch card, and from stomach contents on a fish card. The original plan incorporated a four-digit code and is as follows:

Column A: 0 - Vertebrates (fish and mammals)
1-8 - Invertebrates and eggs
9 - Other objects and plants

Column B: Separates animals into major classes

Column C: Denotes family or generic groupings

Column D: Specific identification within class

This coding system has been followed closely up to the present but the problem of acquiring new codes that follow in sequence is becoming progressively harder due to preoccupied numbers. Therefore, the list today does not adhere strictly to these rules while following the general scheme.

In the past few years, there has been a large number of new species coded which has increased confusion because of changes in classification, common versus latin names, synonyms resulting in dual coding, etc. To eliminate these problems and to ensure against errors of this kind in the future, it was decided to arrange this list into a set classification system and to obtain, if possible, the authorities and dates of the individual species. Where possible, the most current authorities were referred to, utilizing the following general taxonomic system:

PHYLUM (P.)
SUBPHYLUM (s.p.)
CLASS (C.)
SUBCLASS (s.c.)
SUPERORDER (S.O.)
ORDER (O)
SUBORDER (s.o.)
SECTION (S.)
SUPERFAMILY (S.F.)
FAMILY (F.)
SUBFAMILY (s.f.)
GENUS
SPECIES

Numerous categories are needed for some taxa, e.g. fishes, while fewer are needed for others, e.g. Protoza. All taxa were not given codes but were used to complete the systematic listing. Where authorities and/or date were not available "xxxx" was substituted.

## FISHES

The majority of fishes came from identification of species captured along the eastern seaboard of Canada. There are three major classes identified, including 33 orders, 160 families, and 554 genera and/or species.

They are arranged according to elasmobranch classification of Compagno (1973) and teleost classification of Greenwood (in, UNESCO, 1979).

This coding scheme differs from the other sections in that the first digit, in practice, has the added versatility of an alpha prefix to denote larval, juvenile or adult (L, J, and A, respectively) with the next three digits numeric following into the coding scheme. As can be seen from Appendix A, the eggs of all species are handled separately and for the fishes falls in the category of 12—.

## MARINE MAMMALS

This section has not been developed very extensively as there appears to be no real interest for these codes. The list includes 2 orders, 2 superfamilies, 4 families, and 5 species entered within the range of 0900 to 0933 to date. Classification follows Leatherwood et al. (1976).

## INVERTEBRATES

Interest for these animals seems to have been rekindled with increasing work being done on stomach content analysis. There are 33 classes, 83 orders, 156 families, 456 genera and/or species along with various subphyla, subclasses, suborders, etc. There has been a fair number of new codes added recently, the majority being within the Class Crustacea.

The classification schemes are based on Linkletter et al. (1977) and Gosner (1971) as the general overall taxonomic guide with Parker and Haswell (1964) for Amphioxus, Williams (1974) for Decapoda, Tattersall (1951) for Mysidacea, Bousfield (1973) for Gammaridea, Wilson (1932) for Copepoda, Watling (1979) for Cumacea, Schultz (1969) for Isopoda, Abbott (1974) for Gastropoda and Polyplacophora, Voss (1977) for Cephalopoda, Margolis and Arthur (1979) for Nematoda, and Shih (1977) for Hydrozoa and Scyphozoa. The nomenclature used is from the existing authority (e.g. Bousfield (1973) for Gammarides). The protochordates (see Gosner (1971)) are considered invertebrates.

These codes begin from 1700 up. There has been some need to code for life stages (e.g. Ascidea sp. Adult - 1820) but this practice is being discouraged as the codes are becoming quite crowded and would, in effect, be establishing a new coding system away from the intentions of this existing one - namely, to group similar species within a certain numerical code range. By using this system perhaps another field can be established for additional information about a particular specimen, e.g. age, sex, life stage.

## MARINE PLANTS

As with the Marine Mammals, this section is utilized very little with only 4 classes, 1 family, and 2 genera. Classification is based on Sverdrup et al. (1955).

## EGGS

These codes are within the range of 1000 to 1699. This group was not put into a classification system but is ordered numerically as the individual species are previously noted within their respective phyla.

MISCELLANEOUS

This section refers to the Class Aves, the Class Reptilia and inanimate objects, which all begin with the digit 9. This group acts as a catch-all to fit in codes that would not be considered marine fauna or flora and is numerically ordered by code number.

# FAUNA

K. ANIMALIA

INVERTEBRATA - Marine Invertebrates Non-specified 1701

P. CTENOPHORES, COELENTERATES and PORIFERA 8000

P. PROTOZOA *1

C. SARCODINA

O. FORAMINIFERA 1700

O. RADIOLARIDA 1750

C. CNIDOSPORIDIA

O. MICROSPORIDA

P. PORIFERA - Sponges 8600

C. DESMOSPONGIAE

O. HAPLOSCLERIDA

F. Haliclonidae

Haliclona sp. 8618

Haliclona oculata (Linne 1759) - Eyed Finger Sponge 8621

O. HADROMERIDA

F. Suberitidae

Polymastia sp. 8610

O. POECILOSCLERIDA

F. Mycalidae

Mycale sp. 8615

P. CNIDARIA (COELENTERATA) 8200

| | |
|---|---|
| C. ANTHOZOA - Sea Anemone *4 | 8300 |
| O. ACTINIARIA - Sea Anemones, Sea Coral | 8208 |
| F. Metridiidae | |
| Metridium senile Linnaeus 1767 | 8311 |
| F. Actinostolidae | |
| Stomphia coccinea Muller 1776 | 8313 |
| F. Actinidae | |
| Bolocera sp. | 8317 |
| Tealia felina Muller 1776 | 8315 |
| F. Hormathiidae | |
| Actinauge verrillii McMurrich 1893 | 8319 |
| Hormathia sp. | 8316 |
| Hormathia tuberculosa xxxx | 8622 |
| O. PENNATULACEA | |
| F. Pennatulacea | |
| Pennatula borealis M. Sars 1856 - Sea Pens | 8318 |
| O. CERIANTHARIA | |
| Cerianthus borealis Verrill 1873 | 8320 |
| O. ZOANTHIDEA | |
| Epizoanthus incrustatus (Duben + Koren 1847) | 8321 |
| O. GORGONACEA - Gorgonian Corals | |
| F. Primnoidae | |
| Primnoa resedaeformis (Pallas 1766) | 8322 |
| F. Anthothelidae | |
| Paragorgia arborea (Linnaeus 1758) | 8323 |

O. ALCYONACEA - Soft Corals

F. Nephtheidae

Duva multiflora xxxx - Sea Cauliflower *2 8324

C. HYDROZOA *3 8400

O. THECATA

F. Sertularidae

Sertularia sp. 8405

O. LEPTOMEDUSAE

F. Campanulariidae

Obelia sp. 8421

O. TRACHYMEDUSAE

F. Rhopalonematidae

Aglantha digitale (Muller 1776) 8411

O. SIPHONOPHORA 8700

F. Physaliidae

Physalia pelagica Lamarck xxxx - Portuguese Man of War 8210

C. SCYPHOZOA - Jellyfishes *3 8500

O. SEMAEOSTOMEAE

F. Cyaneidae

Cyanea capillata (Linnaeus 1758) - Pink Jellyfish 8511

F. Ulmaridae

Aurelia sp.

P. CTENOPHORA - Comb Jellies 8100

C. NUDA

O. BEROIDA

F. Beroidae

Beroe cucumis Fabricius 1780 8111

C. TENTACULATA

O. CYDIPPIDA

F. Pleurobrachiidae

Pleurobrachia sp. 8113

P. PLATYHELMINTHES *5

C. TREMATODA 7600

O. STRIGEIDA

F. Hemiuridae

Brachyphallus crenatus (Rudolphi 1802)

Derogenes varicus (O. F. Muller 1784)

Gonocera phycidus Manter 1925

Hemiurus levinseni Odhner 1905

Lecithaster gibbosus (Rudolphi 1802)

F. Fellodistomatidae

Fellodistomum furcigerum (Olsson 1867)

Stenakron vetustum Stafford 1904

F. Azygiidae

Otodistomum sp.

F. Bucephalidae

Prosorhynchus squamatus Odhner 1905

O. PLAGIORCHIIDA

F. Lepocreadiidae

Lepidapedon elongatum (Lebour 1908)

Lepidapedon rachion (Cobbold 1858)

F. Zoogonidae

Steganoderma formosum Stafford 1904

F. Allocreadiidae

Neophasis sp.

F. Opecoelidae

Podocotyle atomon (Rudolphi 1802)

Podocotyle reflexa (Creplin 1825)

O. OPISTHORCHIIDA

F. Heterophyidae

Cryptocotyle lingua (Creplin 1825)

F. Acanthocolipaee

Stephanostomum baccatum (Nicoll 1907)

C. CESTOIDEA 7700

O. PSEUDOPHYLLIDEA

F. Ampnicotylidae

Abothrium gadi van Beneden 1871

O. TRYPANORHYNCHA

F. Bothriocephalidae

Bothriocephalus sp.

F. Lacistorhynchidae

Grillotia erinaceus (van Beneden 1858)

F. Tentaculariidae

Tentacularia coryphaenae Bosc 1802

O. TETRAPHYLLIDEA

Scolex pleuronectis O. F. Muller 1788

F. Phyllobothriidae

Phyllobothrium loliginus (Leidy 1887)

C. TURBELLARIA 7500

C. MONOGENEA

O. MONOPISTHOCOTYLEA

F. Gyrodactylidae

Gyrodactylus sp.

F. Udonellidae

Udonella caligorum Johnston 1835

P. ACANTHOCEPHALA *5

O. PALAEACANTHOCEPHALA

F. Polymorphidae

Corynosoma sp.

F. Echinorhynchidae

Echinorhynchus sp.

Echinorhynchus vancleavi Golvan 1979

P. RHYNCHOCOELA (NEMERTEA) 5500

P. NEMERTINEA (RHYNCHOCOELA) - OBSOLETE 7400

C. NEMATOMORPHA 7200

Nectonema agile xxxx

P. ENTOPROCTA *2 1910

P. ASCHELMINTHES *2

C. PRIAPULIDA 3450

Priapulus caudatus Lamarck 1816 3451

P. NEMATHELMINTHES, NEMERTINEA and PLATYHELMINTHES - Parasites, round worms, ribbon worms, etc. 7000

P. NEMATHELMINTHES *5

C. NEMATODA 7100

O. ASCARIDIDA

F. Anisakidae

Anisakis sp. 7116

Anisakis simplex (Rudolphi 1809)

Contracaecum sp. 7113

Phocanema sp. 7110

Phocanema decipiens (Krabbe 1878) 7111

Thynnascaris adunca (Rudolphi 1802)

F. Cucullanidae

Cucullanus cirratus O. F. Muller 1777

O. SPIRURIDA

F. Cystidicolidae

Ascarophis sp.

Ascarophis filiformis Polyansky 1952

Ascarophis arctica Polyansky 1952

O. ENOPLIDA

F. Capillariidae

Capillaria sp.

P. ECTOPROCTA, ENDOPROCTA and BRACHIOPODA 1900

P. ECTOPROCTA (BRYOZOA) *2 1920

P. BRACHIOPODA - Lamp Shells *4 1930

C. ARTICULATA

O. RHYNCHONELLIDA

Rhynchonella sp. 1931

O. TEREBRATULIDA

Terebratulina sp. 1932

P. MOLLUSCA *6 4000

PTEROPODA - Sea Butterflies 4600

HETEROPODA and PTEROPODA - Sea Snails and Sea Butterflies 3600

HETEROPODA 3601

MOLLUSCA Larvae 4005

C. SCAPHOPODA - Tusk or Toothshell 4110

Dentalium sp.

C. GASTROPODA - Snails and Slugs 4200

Strombus + Busycon sp. 4335

O. CEPHALASPIDEA

F. Philinidae

Philine sinuata Stimpson 1850 - Sinuate Paper Bubble 4256

F. Cylichnidae - Canoe Shells 4430

Cylichna alba (Brown 1827) - Brown's Barrel Bubble 4257

Scaphander punctostriatus Mighels 1841 - Giant Canoe Bubble 4431

O. ARCHAEOGASTROPODA - Limpets 5200

F. Fissurellidae - Keyhole Limpets 4253

F. Trochidae - Top Shells

Margarites cinera (Gould 1841) - OBSOLETE
Margarites costalis (Gould 1841)
Margarites groenlandicus (Gmelin 1791)
Margarites helicinus (Phipps 1774)

O. NEOGASTROPODA

F. Buccinidae

Buccinum sp. Whelks
Buccinum scalariforme Moller 1842
Buccinum undatum Linne 1758 - Wave Whelks
Colus sp.- Spindle Shelll
Neptunea decemcostata (Say 1826) - New England N

F. Muricidae

Nucella lapillus (Linne 1758) - Atlantic Dog Winl

F. Nassariidae - Dog Whelks

Ilyanassa obsoleta (Say 1882) - Mud Snail
Nassarius trivittatus (Say 1822) - Dog Whelk

O. MESOGASTROPODA

F. Naticidae

Lunatia heros (Say 1822) - Moonshell
Lunatia triseriata (Say 1826) - Spotted Northern
Natica clausa Broderip + Sowerby 1829 - Little Mc

F. Turritellidae

Turritella sp.

F. Aporrhaidae

Aporrhais sp. - Duck or Pelican Foot

F. Epitoniidae

*Epitonium* sp. 4240

F. Littorinidae - Periwinkles 4250

F. Skeneopsidae - Orb Shells

*Skeneopsis* sp. - Skenes 4251

F. Velutinidae

*Velutina laevigata* Linnaeus 1767 - Velvet Shell 4252

F. Crepidulidae

*Crucibulum striatum* Say 1824 - Cup and Saucer Limpet 5201

C. BIVALVIA 4300

s.c. CRYPTODONTA, PTERIMORPHIA, PALAEOTAXODONTA, HETERODONTA, PRIONODESMATA, TELEODESMATA - Clams N.S. 4310

s.c. ANOMALODESMATA

O. PHOLADOMYOIDA - Pandoras, Cuspidarians

F. Pandoridae

*Pandora gouldiana* Dall 1886 4305

F. Thraciidae 3180

O. SEPTIBRANCHOIDEA

F. Cuspidariidae

*Cuspidaria glacialis* (G. O. Sars 1878) - Glacier Dipper Shell 4306

s.c. HETERODONTA

O. MYOIDA - Mya Clams, Philads, Shipworms

F. Myidae

*Mya arenaria* Linne 1758 - Soft Shell Clam 4318

Mya truncata Linne 1758 4309

F. Hiatellidae

Cyrtodaria sp. 4327

Cyrtodaria siliqua (Spengler 1793) 4312

Hiatella arctica (Linne 1767) - Soft-Shell/Long Neck Clam 4319

O. VENEROIDA - Lucines, Cockles, Razor Clams, Tellins, Venus Clams

F. Leptonidae 3185

F. Lucinidae 3190

F. Solenidae - Razor Shell Clam

Ensis directus Conrad 1843 - Razor Shell Clam 4301

Siliqua sp. - Razor Clam 4315

F. Thyasiridae

Thyasira sp. 4302

F. Tellinidae 4370

Tellina sp. 4303

Macoma sp. 4313

F. Arcticidae

Arctica islandica (Linne 1767) - Ocean Quahog 4304

F. Astartidae

Astarte sp. 4316

Astarte undata Gould 1841 - Waved Astarte 4307

F. Veneridae 4329

Mercenaria mercenaria (Linne 1758) - Hard Clam 4323

Pitar morrhuanus Linsley 1848 - Morrhua Venus 4314

Venus mercenaria - Quahaug - OBSOLETE 4311

F. Mactridae - Bar or Surf Clam

Spisula polynyma (Stimpson 1860) - Stimpson's Surf Clam 4355

Spisula solidissima (Dillwyn 1817) - Bar/Surf Clam 4317

F. Cardiidae - Cockles 4340

Cardium sp. - OBSOLETE *4 4341

Cerastoderma pinnulatum (Conrad 1831) - Northern Dwarf Cockle 4345

Clinocardium ciliatum (Fabricius 1780) - Iceland Cockle 4342

Serripes groenlandicus (Bruguiere 1789) - Greenland Cockle 4343

F. Carditidae

Cyclocardia borealis (Conrad 1831) - Heart Shell 4344

s.c. PTERIOMORPHIA

O. PTERIOIDEA - Pearly and True Oysters, scallops

F. Pectinidae - Scallops 4320

Argopecten gibbus (Linne 1758) - Calico Scallop 4325

Argopecten irradians (Lamarck 1819) - Bay Scallop 4324

Chlamys islandica (Muller 1776) - Iceland Scallop 4322

Placopecten magellanicus (Gmelin 1791) - Giant Scallop 4321

O. OSTREINA

F. Anomiidae 4328

F. Ostreidae - Oysters

Crassostrea virginica (Gmelin 1791) - American Cupped Oyster 4326

O. MYTILOIDA

F. Mytilidae - Mussels 4330

Modiolus modiolus (Linne 1758) - Horse Mussel 4332

Musculus niger (Gray 1824) 4334

Mytilus edulis Linne 1758 - Common Mussels / Blue Mussel 4331

s.c. CRYPTODONTA

O. SOLEMYOIDA

F. Solemyacidae

Solemya borealis Totten 1834 - Boreal Awning Clam 4346

s.c. PALAEOTAXODONTA

O. NUCULOIDA

F. Nuculidae - Nut Shell 4350

Nucula sp. 4308

Nucula tenuis Montagu 1808 4361

F. Nuculanidae 4360

Nuculana sp. 4351

Nuculana buccata (Steenstrup 1842) 4353

Nuculana tenisulcata (Couthouy 1838) - Thin Nut Clam 4352

Yoldia sp. 4354

O. NUDIBRANCHIA - Sea Slugs 4400

F. Dendronotidae

Dendronotus sp.- Bushy Backslug 4410

F. Aeolidiidae

Aeolidia sp. - Plumed Sea Slug 4420

O. GYMNOSOMATA

F. Clionidae

Clione limacina (Phipps 1774) - Comman Clione 4611

O. THECOSOMATA

F. Limacinidae

Limacina sp. 4605

Limacina helicina (Phipps 1774) - Helicid Pteropod 4621

C. CEPHALOPODA - Squids and Octopuses *8 4500

O. TEUTHOIDEA 4501

F. Ommastrephidae 4510

Hyaloteuthis pelagica (Bosc 1802)

Illex illecebrosus (LeSueur 1821) - Short-finned Squid 4511

Ommastrephes sp. 4513

Ommastrephes bartrami (LeSueur 1821)

Ommastrephes pteropsus Steenstrup 1855

Ornithoteuthis antillarum Adam 1957

F. Loliginidae

Loligo pealei LeSueur 1821- Long Finned Squid 4512

F. Loliginidae and Ommastrephidae - Squid Nonspecified 4514

F. Lycoteuthidae

Lampadioteuthis megaleia Berry 1916

Selenoteuthis scintillans Voss 1958

F. Enoploteuthidae

Abraliopsis sp.

Abralia redfieldi Voss 1955

Abralia veranyi (Ruppell 1844)

Abraliopsis pfefferi Joubin 1896

Ancistrocheirus sp.

Enoploteuthis anapsis Roper 1964

Enoploteuthis leptura (Leach 1817)

Pterygioteuthis gemmata Chun 1908

Pterygioteuthis giardi Fischer 1895

Pyroteuthis margaritifera (Ruppell 1844)

Thelidioteuthis alessandrini (Verany 1851)

F. Octopoteuthidae

Octopoteuthis sp.

Octopoteuthis megaptera Verrill 1885

Octopoteuthis sicula Ruppell 1884

F. Onychoteuthidae

Moroteuthis equatorialis Thiele 1921

Onychoteuthis banksi (Leach 1817)

Onykia carriboea LeSueur 1821

F. Chiroteuthidae

Chiroteuthis sp.

Chiroteuthis lacertosa Verrill 1881

F. Gonatidae

Gonatus fabricii (Lichtenstein 1818)

Gonatus steenstrupii Kristensen 1981

F. Lepidoteuthidae

Pholidoteuthis adami Voss 1956

Tetronychoteuthis dussumieri (Orbigny 1839)

F. Architeuthidae

Architeuthis dux Steenstrup 1857

F. Histioteuthidae

Histioteuthis bonnellii (Ferussac 1835)

Histioteuthis celetaria celetaria (Voss 1960)

Histioteuthis corona corona (Voss + Voss 1962)

Histioteuthis dofleini (Pfeffer 1912)

Histioteuthis elongata (Voss + Voss 1962)

Histioteuthis reversa (Verrill 1880)

F. Bathyteuthidae

Bathyteuthis abyssicola Hoyle 1885

F. Ctenopterygidae

Ctenopteryx sicula (Verany 1851)

F. Brachioteuthidae

Brachioteuthis beani Verrill 1885

Brachioteuthis riisei (Steenstrup 1882)

F. Mastigoteuthidae

Mastigoteuthis agassizi Verrill 1881

Mastigoteuthis cordiformis Chun 1913

Mastigoteuthis hjorti Chun 1913

F. Cranchiidae

Cranchia scabra Leach 1817

Egea inermis Joubin 1833

Galiteuthis armata Joubin 1889

Helicocranchia sp.

Leachia sp.

Leachia atlantica (Degner 1925)

Liocranchia reinhardti (Steenstrup 1856)

Megalocranhia sp.

Taonius pavo (LeSueur 1821)

Teuthowenia megalops Prosch 1849

O. OCTOPODA 4521

F. Stauroteuthidae

Stauroteuthis syrtensis Verrill 1879

F. Opistoteuthidae

Opistoteuthis agassizi Verrill 1883

F. Cirroteuthidae

Cirrothauma mulleri Eschricht 1838

Cirrothauma murrayi Chun 1911

F. Bolitaenidae

Bathypolypus arcticus (Prosch 1849) 4524

Eledonella pygmaea Verrill 1884

Japetella diaphana Hoyle 1885

F. Octopodidae

Bathypolypus articus (Prosch 1849)

Benthoctopus piscatorum (Verrill 1879)

Graneledone verrucosa (Verrill 1881)

Octopus defillippi Verany 1851

F. Tremoctopodidae

Tremoctopus violaceous Delle Chiaje 1830

F. Argonautidae

Argonauta argo Linnaeus 1758 4531

F. Alloposidae

Alloposus mollis Verrill 1880

F. Ocythoidae

Ocythoe tuberculata Rafinesque 1814

O. SEPIOIDEA

F. Sepiolidae

Heteroteuthis dispar (Ruppell 1845)

Semirossia tenera (Verrill 1880) 4522

Stoloteuthis leucoptera Verrill 1881

Rossia hyatti - OBSOLETE 4523

Rossia megaptera Verrill 1881 4526

Rossia palpebrosa Owen 1835 4525

F. Spirulidae

Spirula spirula (Linnaeus 1758) - Common spirula *note: shell only

O. VAMPYROMORPHA

F. Vamproteuthidae

Vampyroteuthis infernalis Chun 1903

C. POLYPLACOPHORA - Chitons *6 4700

O. NEOLORICATA

F. Mopaliidae

Amicula vestita (Broderip + Sowerby 1829) - Concealed Arctic Chiton 4711

F. Ischnochitonidae

Tonicella rubra (Linne 1767) - Red Northern Chiton 4713

F. Lepidopleuridae

Lepidopleurus cancellatus (Sowerby 1839) - Arctic Cancellate Chiton 4714

C. APLACOPHORA

O. CHAETODERMATIDA

F. Chaetodermatidae

Chaetoderma sp. 4720

P. ANNELIDA - Segmented Worms 3000

C. OLIGOCHAETA - Aquatic and Terrestrial Earthworms 3175

C. POLYCHAETA - Bristle Worms *2 3100

POLYCHAETA, Large (+3mm diameter) 3101

POLYCHAETA, Small (-3mm diameter) 3102

POLYCHAETA Larvae 3106

O. EUNICIDA

F. Lumbrinereidae 3117

*Lumbrineris* sp. 3103

*Ninoe nigripes* Verrill 1873

F. Arabellidae 3107

*Arabella iricolor* Montagu 1804 3116

*Drilonereis magna* Webster + Benedict 1887 3108

F. Eunicidae 3085

*Eunice pennata* (Muller 1776) 3109

F. Onuphidae

*Nothria conchylega* (Sars 1835) 3166

O. STERNASPIDA

F. Sternaspidae

*Sternaspis* sp. 3105

*Sternaspis scutata* (Renier 1807) 3165

O. PHYLLODOCIDA

F. Nepthyidae 3115

*Nepthys* sp. 3104

F. Tomopteridae 3134

F. Phyllodocidae 3114

*Eteone* sp. 3112

*Eteone trilineata* Webster + Benedict 1887 3113

*Phyllodoce* sp. 3110

*Phyllodoce groenlandica* Oersted 1842 3111

F. Nereidae 3150

*Nereis* sp. 3130

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|---|---|
| Nereis pelagica Linnaeus 1758 | 3131 |
| F. Glyceridae | 3230 |
| Glycera sp. | 3550 |
| Glycera capitata Oersted 1843 | 3551 |
| F. Aphroditidae | 3210 |
| Aphrodita sp. | 3212 |
| Aphrodita aculeata Linnaeus 1761 - OBSOLETE | 3211 |
| Aphrodita hastata Moore 1905 - Sea Mouse | 3200 |
| F. Goniadidae | |
| Goniada sp. | 3121 |
| Goniada maculata Oersted 1843 | 3120 |
| F. Polynoidae | 3500 |
| Lepidonotus squamatus (Linne 1758) | 3501 |
| O. ARICIIDA | |
| F. Orbiniidae | 3270 |
| Scoloplos sp. | 3167 |
| O. SABELLIDA | |
| F. Sabellidae | 3138 |
| Potamilla neglecta (Sars 1851) | 3147 |
| Sabella sp. | 3140 |
| O. TEREBELLIDA | |
| F. Terebellidae | 3160 |
| Amphitrite sp. | 3148 |
| F. Amphictenidae - Trumpet Worm | 3139 |

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|---|---|
| Cistenia sp. | 3144 |
| Cistenia gouldii (Verrill 1873) | 3142 |
| Cistenia granulata (Linnaeus 1767) | 3149 |
| F. Ampharetidae | 3146 |
| O. CAPITELLIDA | |
| F. Maldanidae - Filament Tube Worms | 3143 |
| Praxillella sp. | 3145 |
| Rhodine sp. | 3141 |
| Nicomache canadensis McIntosh 1913 | 3125 |
| F. Opheliidae | 3153 |
| Ophelia acuminuta Oersted 1843 | 3157 |
| Ophelia limacina Rathke 1843 | 3156 |
| F. Arenicolidae | |
| Arenicola marina (Linnaeus 1758) | 3161 |
| O. SPIONIDA | |
| F. Spionidae | 3164 |
| O. FLABELLIGERIDA | |
| F. Flabelligeridae | 3170 |
| Brada sp. | 3172 |
| Diplocirrus hirsutus (Hansen 1879) | 3174 |
| Pherusa sp. | 3173 |
| Pherusa plumosa (Muller 1776) | 3171 |
| P. SIPUNCULA (GEPHYREA) *2 | 3300 |
| Phascolosoma sp. | 3320 |

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|---|---|
| Phascolosoma gouldii (Pourtales 1851) | 3313 |
| Sipunculus sp. | 3700 |
| Themiste sp. | 3312 |
| P. ECHIURIDA *4 | 3330 |
| F. Echiuridae | 3340 |
| Echiurus echiurus (Pallas 1766) | 3311 |
| P. ARTHROPODA - Joint-Legged Animals *2 | |
| s.p. MANDIBULATA | |
| C. CRUSTACEA | 2000 |
| CRUSTACEA Larvae | 2001 |
| s.c. MALACOSTRACA Crabs, Lobsters, Hermits | 2500 |
| O. DECAPODA *10 | 2100 |
| DECAPODA Larvae | 2010 |
| S. CARIDEA - Shrimps | |
| F. Pandalidae | 2200 |
| Dichelopandalus sp. | 2215 |
| Dichelopandalus leptoceras (Smith 1881) | 2214 |
| Pandalus sp. | 2210 |
| Pandalus borealis Kroyer 1838 | 2211 |
| Pandalus montagui Leach 1813 | 2212 |
| Pandalus propinquus G. O. Sars 1869 | 2213 |
| F. Pasiphaeidae | 2219 |
| Pasiphaea multidentata Esmarck 1866 | 2221 |
| Pasiphaea tarda Kroyer 1845 - Shrimp | 2220 |
| F. Hippolytidae | 2300 |

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|---|---|
| Caridion gordoni (Bate 1858) | 2318 |
| Eualus sp. | 2330 |
| Eualus fabricii Kroyer 1841 | 2332 |
| Eualus gaimardii (H. Milne Edwards 1837) | 2333 |
| Eualus macilentus (Kroyer 1842) | 2331 |
| Eualus pusiola (Kroyer 1841) | 2317 |
| Hippolyte zostericola (Smith 1873) | 2309 |
| Lebbeus sp. | 2320 |
| Lebbeus groenlandicus (Fabricus 1775) | 2319 |
| Lebbeus polaris (Sabine 1821) | 2312 |
| Lebbeus zebra (Leim 1921) | 2321 |
| Spirontocaris sp. | 2310 |
| Spirontocaris fabricii - OBSOLETE | 2311 |
| Spirontocaris liljeborgii (Danielssen 1859) | 2313 |
| Spirontocaris macilenta - OBSOLETE | 2314 |
| Spirontocaris phippsii (Kroyer 1841) | 2315 |
| Spirontocaris spina (Sowerby 1805) | 2316 |
| F. Crangonidae - Snapping Shrimp | 2400 |
| Argis sp. | 2410 |
| Argis dentata (Rathbun 1902) | 2411 |
| Crangon sp. | 2416 |
| Crangon septemspinosa Say 1818 | 2417 |
| Pontophilus brevirostrus Smith 1881 | 2412 |
| Sabinea sp. | 2420 |
| Sabinea septemcarinata (Sabine 1824) | 2421 |
| Sclerocrangon sp. | 2413 |
| Sclerocrangon boreas (Phipps 1774) | 2414 |
| Snapping Shrimp - OBSOLETE | 2401 |
| F. Palaemonidae | 2240 |
| Paleomonetes vulgaris (Say 1818) | 2245 |
| S. PENAEIDA | |
| F. Penaeidae | 2450 |

S. BRACHYURA - True Crabs 2510

F. Cancridae 2509

*Cancer* sp. 2524

*Cancer borealis* Stimpson 1859 - Jonah Crab 2511

*Cancer irroratus* Say 1817 - Atlantic Rock Crab 2513

F. Xanthidae

*Neopanope sayi* (Smith 1869)

F. Majidae - Spider Crabs, Unidentified 2519

*Chionoecetes* sp. - Spider/Queen, Snow Crab - OBSOLETE 2522

*Chionoecetes opilio* (Fabricius 1780) - Snow/Queen Crab 2526

*Hyas* sp. 2520

*Hyas araneus* (Linnaeus 1758) 2527

*Hyas coarctatus* Leach 1815 2521

F. Portunidae 2515

*Callinectes sapidus* Rathbun 1896 - Blue Crab 2512

*Carcinus maenas* (Linnaeus 1758) - Green Crab 2531

F. Geryonidae

*Geryon quinquedens* Smith 1879 - Deep Sea Red Crab 2532

S. MACURA

S.F. ASTACIDEA

F. Nephropsidae

*Homarus americanus* H. Milne Edwards 1837 - Lobster 2550

*Homarus americanus* Larvae 2551

S.F. THALASSINIDEA - Mud Shrimp 2565

F. Axiidae 2540

*Axius serratus* Stimpson 1852 2541

Calocaris macandreae Bell 1853 2567

S. ANOMURA

S.F. GALATHEIDEA

F. Galatheidae 2554

Munida iris H. Milne Edwards 1880 2555

S.F. PAGUROIDEA 2560

F. Lithodidae

Lithodes and Neolithodes sp. - Spiny Crab 2525

Lithodes maia (Linnaeus 1758) - Northern Stone Crab 2523

Munidopsis curvirostra Whiteaves 1874 2566

Neolithodes grimaldi Milne-Edwards + Bouvier 1894 - Spiny Spider Crab 2528

F. Paguridae - Hermit Crabs 2559

Pagurus sp. 2561

Pagurus acadianus Bendict 1901 2562

Pagurus kroyeri Stimpson 1859 - OBSOLETE 2563

Pagurus politus (Smith 1882) 2558

Pagurus pubescens Kroyer 1838 2564

O. EUPHAUSIACEA - Krill Shrimp *2 2600

F. Euphausiidae 2610

Euphausia sp. 2612

Meganyctiphanes norvegica (M. Sars 1857) 2611

Thysannoessa sp. 2620

Thysannoessa acutifrons xxxx 2624

Thysannoessa inermis (Kroyer 1846) 2622

Thysannoessa longicaudata (Kroyer 1846) 2623

Thysannoessa raschii M. Sars 1863 2621

O. EUPHAUSIACEA and MYSIDACEA 2699

O. MYSIDACEA - Mysid Shrimp *9 2700

F. Mysidae

| | |
|---|---|
| Boreomysis tridens G. O. Sars 1870 | 2735 |
| Erythrops erythrophalma (Goes 1863) | 2731 |
| Meterythrops robusta S. I. Smith 1879 | 2732 |
| Mysis sp. | 2710 |
| Mysis gaspiensis Tattersall 1955 | 2713 |
| Mysis mixta Lilljeborg xxxx | 2712 |
| Mysis stenolepis S. I. Smith 1873 | 2711 |
| Neomysis americanus (S. I. Smith 1873) | 2734 |
| Pseudomma affine G. O. Sars 1870 | 2721 |
| Pseudomma truncatum S. I. Smith 1879 | 2722 |
| Stilomysis grandis (Goes 1863) | 2733 |
| O. AMPHIPODA *2 | 2800 |
| s.o. GAMMARIDEA *12 | 2819 |
| F. Ampeliscidae | 2855 |
| Haploops laevis xxxx | 2856 |
| Ampelisca agassizi (Judd 1896) | 2857 |
| F. Amphithoidae | 2860 |
| F. Paramphithoidae | |
| Paramphithoe hystrix Bruzelius 1858 | 2805 |
| F. Gammaridae | 2811 |
| Gammarus sp. | 2820 |
| Melita dentata (Kroyer 1842) | 2812 |
| F. Aoridae | |
| Leptocheirus pinquis (Stimpson 1853) - Purple Amphi | 2822 |
| Unciola sp. - Red Amphi | 2823 |
| F. Calliopiidae | |

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|---|---|
| Haliraqes fulvocinctus (Sars 1854) | 2875 |
| Rozinante fraqilis (Goes 1866) | 2861 |
| F. Melitidae | |
| Ceradocus torelli (Goes 1866) | 2821 |
| Maera loveni (Bruzelius 1859) | 2825 |
| F. Eusiridae | |
| Rachotropis sp. | 2846 |
| Rachotropis aculeata Lepectin 1778 | 2848 |
| Rachotropis inflata (G. O. Sars 1882) | 2847 |
| F. Pontogeneidae | 2865 |
| F. Lysianassidae | 2830 |
| Anonyx sp. | 2833 |
| Hippomedon sp. | 2838 |
| Hippomedon denterulatus xxxx | 2835 |
| Hippomedon propinqius G. O. Sars 1890 | 2836 |
| Hippomedon serratus Holmes 1903 | 2829 |
| Orchomenella sp. | 2831 |
| Orchomonella pinquis (Boeck 1861) | 2834 |
| Tmetonyx sp. | 2832 |
| F. Podoceridae | |
| Dulichia sp. | 2827 |
| F. Corophiidae | 2840 |
| F. Phoxocephalidae | 2845 |
| Harpinia propinqua Sars 1895 | 2849 |
| F. Tironidae | 2850 |
| Syrrhoe sp. | 2851 |
| F. Pleustidae | |

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|---|---|
| Neopleustes pulchellus Kroyer xxxx | 2866 |
| Pleustes panoplus (Kroyer 1838) | 2867 |
| F. Oedicerotidae | 2880 |
| Monoculodes sp. | 2881 |
| Paroediceros longimanus (M. Sars 1858) | 2884 |
| Paroediceros lynceus (M. Sars 1858) | 2882 |
| Paroediceros propinquis (Goes 1866) | 2883 |
| s.o. CAPRELLIDEA *2 | |
| F. Caprellidae | 2870 |
| Aeginella longicornis (Kroyer 1842) | 2873 |
| Caprella linearis (Linnaeus 1767) | 2871 |
| Caprella septentrionalis Kroyer 1838 | 2872 |
| s.o. HYPERIIDEA | 2905 |
| F. Hyperiidae | 2906 |
| Hyperia sp. | 2810 |
| Hyperia galba (Montagu 1813) | 2903 |
| Parathemisto sp. | 2809 |
| Parathemisto compressa (Goes 1865) | 2904 |
| Parathemisto gaudichaudii (Guerin xxxx) | 2941 |
| Parathemisto oblivia (Kroyer 1838) | 2907 |
| O. NEBALIACEA | |
| Nebalia sp. | 2961 |
| Nebalia bipes (Fabricius 1780) | 2960 |
| O. TANAIDACEA *4 | |
| F. Tanaidae | 2940 |
| O. CUMACEA *13 | 2970 |

F. Diastylidae

Diastylis sp. 2971

Diastylis polita (S. I. Smith 1879) 2973

Diastylis rathkei (Kroyer 1841) 2972

F. Bodotriidae

Leptocuma minor Calman 1912 2974

F. Leuconidae

Eudorella emarginata (Kroyer 1846) 2976

Leucon nasicoides Lilljeborg 1855 2979

O. ISOPODA *14 2980

Red Isopod - OBSOLETE *7 2824

s.o. FLABELLIFERA

F. Aegidae

Aega psora (Linnaeus 1761) 2981

F. Cirolanidae 2991

Cirolana polita (Stimpson 1853) 2998

s.o. VALVIFERA

F. Idoteidae 2992

Chiridotea sp. 2997

Chiridotea tuftsi (Stimpson 1853) 2984

Edotea triloba (Say 1818) - Brown Isopod 2989

Idotea sp. 2996

Idotea baltica (Pallas 1772) 2982

Idotea phosphorea Harger 1873 2983

Synidotea nodulosa (Kroyer 1849) 2985

s.o. ASELLOTA

F. Munnopsidae

| | |
|---|---|
| Munnopsis typica M. Sars 1860 | 2986 |
| F. Janiridae | |
| Jaera marina (Fabricius 1780) | 2994 |
| s.o. EPICARIDEA | |
| F. Bopyridae | |
| Phryxus abdominalis (Kroyer 1840) | 2987 |
| Bopyroides hippolytes (Kroyer 1838) | 2988 |
| s.c. BRANCHIOPODA | |
| O. CLADOCERA | 2350 |
| F. Polyphemidae | |
| Evadne sp. | 2352 |
| Podon sp. | 2351 |
| s.c. OSTRACODA *4 | 2650 |
| s.c. COPEPODA *15 | 2900 |
| COPEPODA, Large (+3mm diameter) | 2901 |
| COPEPODA, Small (-3mm diameter) | 2902 |
| COPEPODA, Nauplii | 2938 |
| O. CALANOIDA | 2939 |
| Paracalanus, Clausocalanus and Calocalanus sp. | 2909 |
| F. Calanidae | |
| Calanus sp. | 2910 |
| Calanus finmarchius (Gunner 1765) | 2911 |
| Calanus hyperboreus Kroyer 1838 | 2912 |
| Microcalanus pusillus Sars xxxx | 2937 |
| F. Candaciidae | |

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|---|---|
| Candacia sp. | 2913 |
| Candacia armata (Boeck 1872) | 2915 |
| F. Centropagidae | |
| Centropages sp. | 2914 |
| Centropages bradyi Wheeler 1900 | 2916 |
| Centropages typicus Kroyer 1902 | 2935 |
| F. Pseudocalanidae | |
| Clausocalanus sp. | 2899 |
| Pseudocalanus sp. | 2917 |
| Pseudocalanus elongatus (Kroyer 1849) | 2918 |
| F. Temoridae | |
| Temora sp. | 2919 |
| Temora longicornis (Muller 1902) | 2936 |
| F. Euchaetidae | |
| Euchaeta norvegica Boeck 1902 | 2921 |
| F. Aetideidae | |
| Aetideus armatus (Boeck 1872) | 2942 |
| Euchirella sp. | 2922 |
| F. Acartiidae | |
| Acartia longiremis (Lilljeborg 1853) | 2923 |
| F. Metridiidae | |
| Metridia sp. | 2933 |
| Metridia longa (Lubbock 1854) | 2925 |
| Metridia lucens Boeck 1902 | 2924 |
| Pleuromamma sp. | 2926 |
| F. Paracalanidae | |

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|---|---|
| *Calocalanus* sp. | |
| *Paracalanus* sp. | 2932 |
| *Paracalanus parvus* (Claus 1863) | 2934 |
| O. CYCLOPOIDA | 2945 |
| F. Oithonidae | |
| *Oithona* sp. | 2920 |
| *Oithona similis* Claus 1913 | 2928 |
| *Oithona spinirostris* Claus 1913 | 2930 |
| O. LERNAEOPODOIDA | |
| F. Sphyriidae | |
| *Sphyrion lumpi* (Kroyer 1863) | 2927 |
| F. Lernaeopodidae | |
| *Clavella* sp. | 2931 |
| *Clavella adunca* (Strom 1762) | |
| O. CALIGOIDA | |
| F. Lernaeidae | |
| *Lernaeocera branchialis* (Linnaeus 1767) | 2929 |
| F. Caligidae | |
| *Caligus curtis* O. F. Muller 1785 | |
| s.c. CIRRIPEDIA - Barnacles | 2990 |
| F. Balanidae | 2995 |
| C. INSECTA | |
| Land Insects | 9405 |
| O. DIPTERA | 9406 |

O. COLLEMBOLA

F. Poduridae

Anurida maritima (Guerin xxxx) 2896

s.p. CHELICERATA *4

C. MEROSTOMATA - Horse-Shoe Crabs *4

Limulus polyphemus (Linnaeus xxxx) - American Horse Shoe Crab 2514

s.p. PYCNOGONIDA - Sea - Spider *2 5100

C. PANTOPODA

F. Pycnogonidae 5101

Pycnogonum littorale (Strom 1762) 5102

F. Nymphonidae

Nymphon longitarse Kroyer 1844 2891

P. CHAETOGNATHA - Arrow Worms *2 5000

Sagitta sp. 5012

Sagitta elegans Verrill 1873 5011

P. ECHINODERMATA - Spiny-Skinned Animals *4 6000

C. STELLEROIDEA

s.c. ASTEROIDEA 6100

O. FORCIPULATIDA

F. Asteriidae

Asterias sp. 6110

Asterias vulgaris Verrill 1866 - Purple Starfish 6111

Leptasterias mulleri (M. Sars xxxx) - Muller's Starfish 6132

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|---|---|
| *Leptasterias polaris* (Muller + Troschel 1842) | 6113 |
| *Leptasterias tenera* (Stimpson 1862) - Slender-Armed Sea Star | 6134 |

O. SPINULOSIDA

F. Echinasteridae

| | |
|---|---|
| *Henricia sanguinolenta* (Muller 1776) - Blood Star | 6119 |

F. Solasteridae

| | |
|---|---|
| *Solaster endeca* (Linne 1771) - Purple Sunstar | 6121 |
| *Solaster papposus* (Linnaeus 1780) - Sunstar | 6123 |

F. Pterasteridae

| | |
|---|---|
| *Diplopteraster multipes* (Sars 1865) | 6131 |
| *Pteraster militaris* (Muller 1776) | 6125 |

F. Poraniidae

| | |
|---|---|
| *Poraniomorpha borealis* xxxx | 6130 |
| *Poraniomorpha hispida* Sars xxxx | 6129 |

O. VALVATIDA

F. Goniasteridae

| | |
|---|---|
| *Hippasteria phrygiana* (Parelius 1770) | 6117 |
| *Pentagonaster tosia* xxxx | 6127 |

O. PAXILLOSIDA

F. Goniopectinidae

| | |
|---|---|
| *Ctenodiscus crispatus* (Reitzius 1805) - Mud Star | 6115 |

F. Astropectinidae

| | |
|---|---|
| *Astropecten duplicatus* xxxx | 6135 |
| *Psilaster archaster* xxxx | 6128 |

F. Benthopectinidae

| | |
|---|---|
| *Pontaster* sp. | 6133 |

s.c. OPHIUROIDEA - Brittle Stars 6200

O. OPHIURIDA

F. Ophiactidae

Ophiopholis aculeata (Linnaeus 1788) - Daisy 6211

F. Ophiuridae

Ophiura sp. 6212
Ophiura robusta (Ayres 1851) 6215
Ophiura sarsi Lutken 1858 6213
Stegophiura nodosa (Lutken 1858) 6217

O. PHRYNOPHIURIDA

F. Gorgonocephalidae and Asteronychidae - Basket Stars 6300

F. Gorgonocephalidae 6309

Gorgonocephalus sp. 6310

C. ECHINOIDEA 6397

O. ECHINOIDA

F. Strongylocentrotidae

Strongylocentrotus sp. - Sea Urchins 5400
Strongylocentrotus droebachiensis (Muller 1776) 5411
Strongylocentrotus echinoides xxxx 5412

O. ARBACIOIDA

F. Arbaciidae

Arabacia sp. 5420
Arabacia punctulata (Lamarck 1816) 5421

O. CLYPEASTEROIDA - Sand Dollars 5500

F. Echinarachnidae

Echinarachnius parma (Lamarck 1816) 5511

O. SPATANGOIDA

F. Schizasteridae

Brisaster fragilis (Duben + Koren 1844) - Heart Urchin 6413

F. Spatangidae

Echinocardium cordatum (Pennant xxxx) 6801

C. HOLOTHUROIDEA - Sea Cucumbers 6600

O. DENDROCHIROTIDA

F. Cucumariidae and Psolidae (Psoluses, Thyones, etc. Unidentified) 6700

F. Cucumariidae

Cucumaria frondosa (Gunnerus 1770) 6611
Duasmodactyla commune (Forbes xxxx) 6716
Stereoderma unisemita (Stimpson 1851) 6712
Thyonella sp. 6714

F. Phullophoridae

Havelockia scabra Verrill 1873 6711

F. Psolidae

Psolus fabricii (Duben + Koren 1846) - Scarlett Psolus 6713
Psolus phantapus (Strussendelt 1765) 6715

O. MOLPADIIDA

F. Molpadiidae

Molpadia musculus Risso xxxx 6720

F. Caudinidae

Caudina arenata Gould 1841 6717

O. APODIDA

F. Chiridotidae

| | |
|---|---|
| Chiridota laevis (Fabricius 1780) | 6719 |
| C. CRINOIDEA - Sea Lilies | 6900 |
| P. CHORDATA | |
| s.p. PROTOCHORDATA (UROCHORDATE and CEPHLACORDATE) | 1800 |
| Amphioxus sp. - Sand Blister *16 | 1828 |
| s.p. TUNICATA (UROCHORDATA) | 1810 |
| C. ASCIDIACEA | |
| O. ENTEROGONA | |
| F. Ascidiidae | |
| Ascidea sp. Adult | 1820 |
| Ascidea sp. - Sea Squirt | 1821 |
| Ascidea sp. Larvae | 1825 |
| O. PLEUROGONA | |
| F. Styelidae | |
| Dendrodoa sp. | 1822 |
| Pelonaia sp. *11 | 1824 |
| F. Pyuridae | |
| Boltenia sp. | 1823 |
| Halocynthia pyriformis (Verrill 1806) - Sea Peach | 1827 |
| F. Molgulidae | |
| Moqula manhattensis (DeKay 1843) - Sea Grapes | 1826 |
| C. LARVACEA | 1830 |
| F. Oikopleuridae | |
| Oikopleura sp. | 1831 |

C. THALIACEA 1845

F. Salpidae 1840

s.p. VERTEBRATA

C. AVES

Land Birds 9410

C. REPTILIA

O. CHELONIA - Tortoises and Sea-Going Turtles 9430

Unidentified Fish (Larvae, Juvenile, and Adults) 0090
Groundfish (Non-specified) 0253
Pelagic Fish (Non-specified) 0256
Finfishes (Non-specified) 0100
Others - OBSOLETE 0080

C. AGNATHA *17

O. PETROMYZONIFORMES

F. Petromyzonidae - Lampreys

Petromyzon marinus Linnaeus 1758 - Sea Lamprey 0240

O. MYXINIFORMES

F. Myxinidae

Myxine glutinosa Linnaeus 1758 - Atlantic Hagfish 0241

C. CHONDRICHTHYES *17

Large Sharks Unspecified 0275

S.O. BATOIDEA - Skates and Rays 0219

O. RAJIFORMES

F. Rajidae 0211

Raja bathyphila Holt + Byrne 1908 - Abyssal Skate 0212

Raja eglanteria Bosc 1802 - Brier Skate 0206

Raja erinacea Mitchill 1825 - Little Skate 0203

Raja fyllae Lutken 1887 - Round Skate 0207

Raja hyperborea Collett 1878 - Arctic Skate 0210

Raja jenseni Bigelow + Schroeder 1950 - Jensen's Skate 0209

Raja laevis Mitchill 1817 - Barndoor Skate 0200

Raja lintea Fries 1838 - White Skate 0217

Raja mollis Bigelow + Schroeder 1950 - Soft Skate 0208

Raja ocellata Mitchill 1815 - Winter Skate 0204

Raja radiata Donovan 1807 - Thorny Skate 0201

Raja senta Garman 1885 - Smooth Skate 0202

Raja spinicauda Jensen 1914 - Spiny-tail Skate 0205

O. MYLIOBATIFORMES 0214

F. Dasyatidae - Stingrays

Dasyatis centroura (Mitchill 1815) - Roughtail Stingray 0213

Dasyatis violacea (Bonaparte 1832) - Pelagic Stingray 0218

F. Mobulidae - Mantas

Manta birostris (Walbaum 1792) - Atlantic Manta 0225

O. TORPEDINIFORMES

F. Torpedinidae - Electric ray

Torpedo nobiliana Bonaparte 1835 - Atlantic torpedo 0216

S.O. GALEOMORPHII

O. LAMNIFORMES

F. Odontaspididae - Sand Tigers

Odontaspis taurus Muller + Henle 1841 - Sand Tiger 0215

F. Alopiidae - Thresher Sharks

Alopias vulpinus (Bonnaterre 1788) - Thresher Shark 0234

F. Lamnidae - Mackerel Sharks

| | |
|---|---|
| Carcharodon carcharias (Linnaeus 1758) - White Shark | 0232 |
| Cetorhinus maximus (Gunnerus 1765) - Basking Shark | 0233 |
| Isurus oxyrinchus Rafinesque 1810 - Shortfin Mako | 0238 |
| Lamna nasus (Bonnaterre 1788) - Porbeagle, Mackerel Shark | 0230 |

O. CARCHARHINIFORMES

F. Scyliorhinidae - Cat Sharks

| | |
|---|---|
| Apristurus profundorum (Goode + Bean 1896) - Deepsea Cat Shark | 0239 |

F. Carcharhinidae - Requiem Sharks

| | |
|---|---|
| Carcharhinus longimanus (Poey 1861) - Oceanic Whitetip Shark | 0244 |
| Carcharhinus milberti Jordan + Gilbert 1883 - Sandbar Shark | 0245 |
| Carcharhinus obscurus (LeSeuer 1818) - Dusky Shark | 0246 |
| Mustelus canis (Mitchill 1815) - Smooth Dogfish | 0222 |
| Prionace glauca (Linnaeus 1758) - Blue Shark | 0231 |
| Rhizoprionodon terranovae (Richardson 1836) - Atlantic Sharpnose Shark | 0235 |

F. Sphyrnidae - Hammerhead Sharks

| | |
|---|---|
| Sphyrna zygaena (Linnaeus 1758) - Smooth Hammerhead | 0236 |

O. CHIMAERIFORMES

F. Chimaeridae

| | |
|---|---|
| Hydrolagus affinis (Capello 1868) - Deepwater Chimaera | 0242 |
| Harriotta raleighana Goode + Bean 1895 - Longnose Chimaera | 0247 |

F. Rhinochimaeridae

| | |
|---|---|
| Rhinochimaera atlantica Holte + Byrne 1909 - Knifenose Chimaera | 0248 |

O. ACIPENSERIFORMES

F. Acipenseridae - Sturgeons 0272

| | |
|---|---|
| Acipenser brevirostrum LeSueur 1818 - Shortnose Sturgeon | 0249 |
| Acipenser oxyrhynchus Mitchill 1815 - Atlantic Sturgeon | 0243 |

O. SEMIONOTIFORMES

F. Lepisosteidae - Gars

Lepisosteus osseus (Linnaeus 1758) - Longnose Gar 0250

S.O. SQUALOMORPHII

O. SQUALIFORMES - Sharks

F. Squalidae 0274

Centroscyllium fabricii (Reinhardt 1825) - Black Dogfish 0221
Centroscymnus coelolepis Bocage + Brito Capello 1864 - Portugese Shark 0223
Etmopterus princeps Collett 1904 - Rough Sagre 0224
Somniosus microcephalus (Bloch + Schneider 1801) - Greenland Shark 0237
Squalus acanthias Linnaeus 1758 - Spiny Dogfish 0220

C. OSTEICHTHYES *17 0560

F. Clupeidae/Osmeridae 0290

O. ELOPIFORMES

F. Elopidae - Tarpons

Elops saurus Linnaeus 1766 - Lady Fish 0349
Megalops atlantica Valenciennes 1847 - Tarpon 0167

O. ALBULIFORMES

F. Albulidae - Bonefishes

Albula vulpes (Linnaeus 1758) - Bonefish 0175

F. Halosauridae

F. Notacanthidae - Spiny Eels 1662

Lipogenys gillii Goode + Bean 1896 - Backfin Tapirfish (615
Notacanthus chemnitzi Bloch 1788 - Spiny Eel (740
Polyacanthonotus rissoanus (deFilippi + Verany 1859) - Shortspine Tarpirfish (739

O. ANGUILLIFORMES

| | |
|---|---|
| s.o. ANGUILLOIDEI - Unidentified Eels | 0634 |
| F. Anguillidae - Fresh-water Eels | 0648 |
| Anguilla anguilla Shaw 1803 - European Eel | 0651 |
| Anguilla rostrata (LeSueur 1817) - American Eel | 0600 |
| F. Muraenidae - Morays | 0425 |
| Anarchias yoshiae Kanazawa 1952 - Pigmy Moray | 0426 |
| Gymnothorax sp. | 0427 |
| Gymnothorax funebris Ranzani 1840 - Green Moray | 0606 |
| F. Congridae - Congers | 0429 |
| Ariosoma sp. | 0430 |
| Conger sp. | 0431 |
| Conger oceanicus (Mitchill 1818) - Conger Eel | 0608 |
| Hildebrandia sp. | 0432 |
| Nystactichthys sp. | 0433 |
| Paraconger sp. | 0434 |
| Pseudophichthys splendens (Lea xxxx) | 0435 |
| Rhechias sp. | 0436 |
| Uroconger sp. | 0437 |
| Uroconger syringinus Ginsberg xxxx | 0438 |
| F. Serrivomeridae | |
| Serrivomer sp. | 0656 |
| Serrivomer beani Gill + Ryder 1883 - Stout Sawpalate | 0613 |
| Serrivomer brevidentatus Roule + Bertin 1929 | 0638 |
| F. Ophichthidae - Snake Eels | 0440 |
| Ahlia egomontis (Jordan 1884) - Key Worm Eel | 0441 |
| Apterichtus ansp (Bohlke 1968) | 0442 |
| Apterichtus kendalli (Gilbert 1889) | 0443 |
| Bascanichthys bascanium (Jordan 1884) | 0444 |
| Callechelys sp. | 0445 |

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|---|---|
| Callechelys muraena (Jordan + Evermann 1886) - Blotched Snake Eel | 0446 |
| Echiophis sp. | 0447 |
| Myrophis platynhychus (Breder xxxx) | 0448 |
| Myrophis punctatus (Lutken 1851) - Speckled Worm Eel | 0449 |
| Ophichtus sp. | 0450 |
| Ophichthys cruentifer (Goode + Bean 1896) - Snake Eel | 0609 |
| Ophichtus gomesi (Castelnau 1855) - Shrimp Eel | 0451 |
| Ophichthus ocellatus (LeSueur 1825) - Pale Spotted Eel | 0452 |
| F. Derichthyidae | |
| Derichthys serpentinus Gill 1884 | 0612 |
| Nessorhamphus ingolfianus (Schmidt 1930) - Duckbill Oceanic Eel | 0607 |
| F. Synaphobranchidae - Cutthroat Eels | 0455 |
| Simenchelys parasiticus Gill 1879 - Snubnose Eel | 0601 |
| Synaphobranchus kaupi Johnston 1862 - Gray's Cutthroat Eel | 0602 |
| s.f. Synaphobranchinae | 0456 |
| s.f. Simenchelyinae | 0457 |
| s.f. Dysomminae | 0458 |
| Dysomma sp. | 0459 |
| F. Nemichthyidae - Snipe Eels | 0463 |
| Nemichthys sp. | 0464 |
| Nemichthys scolopaceus Richardson 1848 - Slender Snipe Eel | 0604 |
| s.o. SACCOPHARYNGOIDEI | |
| F. Eurypharyngidae - Gulpers | |
| Eurypharynx pelecanoides Vaillant 1882 - Pelican Grouper | 0614 |
| F. Moringuidae | 0470 |
| Moringua edwardsi (Jordan + Bollman 1889) | 0471 |
| Neoconger mucronatus Girard 1859 - Slender Pike Eel | 0472 |
| F. Nettastomatidae | 0475 |

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|---|---|
| Facciolella sp. | 0659 |
| Hoplunnis sp. | 0477 |
| Nettastoma sp. | 0476 |
| F. Xenocongridae | 0480 |
| Chlopsis bicolor Rafinesque 1810 | 0481 |
| Kaupichthys hyoproroides (Stromman 1896) | 0482 |
| F. Muraenesocidae | 0485 |
| Paraxenomystax sp. | 0486 |
| F. Halosuridae | 0490 |
| Tiluropsis sp. | 0491 |
| O. CLUPEIFORMES | |
| F. Clupeidae - Herring | 0336 |
| Alosa sp. | 0281 |
| Alosa aestivalis (Mitchill 1815) - Blueback Herring | 0165 |
| Alosa mediocris (Mitchill 1814) - Hickory Shad | 0264 |
| Alosa pseudoharengus (Wilson 1811) - Gaspereau, Alewife | 0062 |
| Alosa sapidissima (Wilson 1811) - American Shad | 0061 |
| Brevoortia tyrannus (Latrobe 1802) - Atlantic menhaden | 0164 |
| Clupea harengus harengus Linnaeus 1758 - Atlantic Herring | 0060 |
| Dorosoma cepedianum (LeSeuer 1818) - Gizzard Shad | 0262 |
| Etrumeus teres Gunther 1868 - Round Herring | 0166 |
| Opisthonema oglinum (LeSueur 1817) - Atlantic Thread Herring | 0260 |
| F. Engraulidae -Anchovies | 0034 |
| Anchoa hepsetus (Linnaeus 1758) - Striped Anchovy | 0058 |
| Anchoa mitchilli (Cuvier + Valenciennes 1848) - Bay Anchovy | 0254 |
| Engraulis eurystole (Swain + Meek 1884) - Silver Anchovy | 0009 |
| O. SALMONIFORMES | 0294 |
| s.o. ARGENTINIODEI | 0153 |

F. Argentinidae - Argentines 0288

Argentina silus Ascanius 1763 - Atlantic Argentine 0160
Argentina striata Goode + Bean 1896 - Striated Argentine 0161
Nansenia groenlandica (Reinhardt 1839) - Large-eyed Argentine 0162

F. Bathylagidae - Deepsea Smelts 0276

Bathylagus sp. 0295
Bathylagus compsus Cohen 1958 0291
Bathylagus euryops Goode + Bean 1895 - Goitre Black Smelt 0176

F. Alepocephalidae - Smoothheads

Aleopocephalus bairdii (Goode + Bean 1879) - Baird's Smoothhead 0724
Conocara salmonea (Gill + Townsend 1897) - Slickhead 0749
Xenodermichthys copei (Vaillant 1888)- Atlantic Gymnast 0725

F. Searsiidae - Tube Shouders

Mentodus rostratus (Gunther 1878) 0726

s.o. SALMONOIDAE

F. Salmonidae - Trouts

Coregonus canadensis Scott 1967 - Atlantic Whitefish 0067
Coregonus clupeaformis (Mitchill 1818) - Lake Whitefish 0066
Oncorhynchus gorbuscha (Walbaum 1792) - Pink Salmon 0068
Salmo sp.- Trout non-specified 0273
Salmo gairdneri Richardson 1836 - Rainbow Trout 0069
Salmo salar Linnaeus 1758 - Atlantic Salmon 0065
Salmo trutta Linnaeus 1758 - Brown Trout 0075
Salvelinus alpinus (Linnaeus 1758) - Arctic Char 0076
Salvelinus fontinalis (Mitchill 1815) - Brook Trout 0077

F. Osmeridae - Smelts 0337

Mallotus villosus (Muller 1777) - Capelin 0064
Osmerus mordax (Mitchill 1815) - American Smelt 0063

O. STOMIATIFORMES 0680

s.o. STOMIATOIDEI

F. Gonostomatidae - Lightfishes 0745

Cyclothone sp.- Anglemouth Unidentified 0755

Cyclothone acclinidens Garman 1899 0696

Cyclothone alba Brauer 1906 - Albino Anglemouth 0753

Cyclothone braueri Jesperson + Taning 1926 - Brauer's Anglemouth 0754

Cyclothone microdon (Gunther 1878) - Veiled Anglemouth 0154

Gonostoma elongatum Gunther 1878 - Longtooth Anglemouth 0155

Maurolicus muelleri (Gmelin 1788) - Muller's Pearlsides 0158

Pollichthys mauli Grey 1959 - Maul's Anglemouth 0752

Pseudopallida sp. 0322

Valenciennellus tripunctulatus (Esmarck 1871) 0679

Vinciguerria attenuata (Cocco 1878) - Veiled Anglemouth 0671

Vinciguerria nimbaria (Jordan + Williams 1895) 0684

Vinciguerria poweriae (Cocco 1838) 0667

F. Sternoptychidae - Silver Hatchetfishes 0741

Argyropelecus aculeatus Cuvier + Valenciennes 1849
- Atlantic Silver Hatchetfish 0700

Argyropelecus gigas Norman 1903 0705

Argyropelecus hemigymnus Cocco 1829 0706

Argyropelecus lychnus lychnus Garman 1899 0707

Polyipnus asteroides Schultz 1938 0708

Sternoptyx diaphana Hermann 1781 - Transparent Hatchetfish 0709

F. Astronesthidae - Bighead Dragonfishes

Borostomias antarcticus (Lonnberg 1905) - Straightline Dragonfish 0716

F. Melanostomiatidae - Scaleless Dragonfishes

Eustomias fissibarbis (Pappenheim 1914) 0670

Grammatostomias dentatus Goode + Bean 1895 - Torpedo Dragonfish 0717

Melanostomias spilorhynchus Regan + Trewavas 1930 - Bluenose Dragonfish 0718

Odontostomias sp. 0719

Trigonolampa miriceps Regan - Trewavas 1930 - Threelight Dragonfish 0721

F. Malacosteidae - Loosejaws

| | |
|---|---|
| *Aristostomias* sp. | 0338 |
| *Malacosteus niger* Ayres 1848 - Loosejaw | 0177 |

F. Chauliodontidae - Viperfishes

| | |
|---|---|
| *Chauliodus* sp. | 0335 |
| *Chauliodus danae* Regan + Trewavas 1929 | 0334 |
| *Chauliodus sloani* Bloch + Schneider 1801 - Viperfish | 0169 |

F. Stomiatidae - Scaled Dragonfishes 0151

| | |
|---|---|
| *Bathophilus metallicus* (Welsh 1923) | 0722 |
| *Stomias* sp.- Dragonfish Unidentified | 0756 |
| *Stomias boa ferox* Reinhardt 1842 - Boa Dragonfish | 0159 |

F. Idiacanthidae - Sawtailfishes

| | |
|---|---|
| *Idiacanthus fasciola* Peters 1876 - Ribbon Sawtailfish | 0723 |

O. AULOPIFORMES

F. Synodontidae - Lizardfishes

| | |
|---|---|
| *Bathysaurus ferox* Gunther 1878 | 0814 |
| *Saurida normani* Longley 1935 - Shortjaw Lizardfish | 0807 |
| *Synodus* sp. | 0812 |
| *Synodus synodus* (Linnaeus 1758) - Red Lizardfish | 0808 |
| *Trachinocephalus myops* (Forster 1801) - Snakefish | 0801 |

F. Chlorophthalmidae - Greeneyes

| | |
|---|---|
| *Chlorophthalmus agassizi* Bonaparte 1840 - Shortnose Greeneye | 0156 |
| *Parasudis truculentus* (Goode + Bean 1895) - Longnose Greeneye | 0149 |

F. Bathypteroidae - Tripod/Feeler Fishes

| | |
|---|---|
| *Bathypterois dubius* Vaillant 1888 - Notch Feeler Fish | 0148 |

F. Notosudidae

| | |
|---|---|
| Scopelosaurus mauli Bertelsen, Krefft + Marshall 1976 | 0850 |
| F. Paralepididae (Sudidae ) - Barracudinas | 0713 |
| Lestidiops jayakari (Boulenger 1889) | 0688 |
| Notolepis rissoi (Bonaparte 1841) - White Barracudina | 0727 |
| Notolepis rissoi kroyeri (Lutken 1892) - White Barracudina | 0712 |
| Paralepis atlantica Kroyer 1868 - Short Barracudina | 0711 |
| Paralepis atlantica atlantica Kroyer 1891 | 0728 |
| Paralepis coregonoides Risso 1820 | 0674 |
| Sudis hyalina Rafinesque 1810 | 0691 |
| F. Omosudidae | |
| Omosudis lowei Gunther 1887 | 0729 |
| F. Alepisauridae - Lancetfishes | |
| Alepisaurus ferox Lowe 1833 - Longnose Lancetfish | 0710 |
| Alepisaurus brevirostris Gibbs 1960 - Shortnose Lancetfish | 0731 |
| F. Anotopteridae - Daggertooths | |
| Anotopterus pharao Zugmayer 1911 - Daggertooth | 0732 |
| F. Evermannellidae | |
| Evermannella sp. | 0733 |
| F. Scopelarchidae - Pearleyes | |
| Scopelarchus analis (Brauer 1902) | 0681 |
| O. MYCTOPHIFORMES | 0811 |
| F. Myctophidae - Lanternfishes | 0150 |
| Benthosema sp. | 0286 |
| Benthosema glaciale (Reinhardt 1837) - Glacier Lanternfish | 0157 |
| Bolinichthys photothorax (Parr 1928) | 0292 |
| Centrobranchus nigro-ocellatus (Gunther 1873) | 0124 |
| Ceratoscopelus sp. | 0293 |
| Ceratoscopelus maderensis (Lowe 1839) - Horned Lanternfish | 0163 |

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|---|---|
| Diaphus sp. | 0229 |
| Diaphus dumerili (Bleeker 1856) - Lanternfish | 0152 |
| Diaphus perspicillatus (Ogilby 1898) | 0125 |
| Diaphus elucens (Brauer 1904) | 0126 |
| Diaphus luetkeni (Brauer 1904) | 0127 |
| Diaphus metopoclampus (Cocco 1829) - Headlightfish | 0168 |
| Diaphus mollis Taning 1928 | 0128 |
| Diaphus rafinesquii (Cocco 1838) | 0129 |
| Diaphus termophilus Taning 1928 | 0130 |
| Electrona rissoi (Cocco 1829) | 0131 |
| Gonichthys coccoi (Cocco 1829) - Cocco's Lanternfish | 0132 |
| Hierops artica - OBSOLETE (See 0226) | 0133 |
| Hygophum benoiti (Cocco 1838) - Benoit's Lanternfish | 0134 |
| Hygophum hygomi (Lutken 1892) | 0135 |
| Hygophum macrochir (Gunther 1864) | 0136 |
| Hygophum reinhardtii (Lutken 1892) | 0342 |
| Lampanyctus sp. | 0252 |
| Lampanyctus alatus Goode + Bean 1896 | 0139 |
| Lampanyctus ater Taning 1928 | 0284 |
| Lampanyctus crocodilus (Risso 1810) - Jewel Lanternfish | 0144 |
| Lampanyctus festivus Taning 1928 | 0145 |
| Lampanyctus macdonaldi (Goode + Bean 1896) | 0146 |
| Lampadena nitida Taning 1928 | 0137 |
| Lampanyctus pusillus (Johnson 1890) | 0147 |
| Lampadena speculigera Goode + Bean 1896 - Mirror Lanternfish | 0138 |
| Lepidophanes guentheri (Goode + Bean 1896) | 0228 |
| Lobianchia dofleini (Zugmayer 1911) - Doflein's Lanternfish | 0758 |
| Lobianchia gemellarii (Cocco 1838) | 0178 |
| Myctophum sp. | 0370 |
| Myctophum affine (Lutken 1892) - Mettallic Lanternfish | 0179 |
| Myctophum asperum Richardson 1845 | 0327 |
| Myctophum punctatum Rafinesque 1810 - Spotted Lanterfish | 0180 |
| Notoscopelus sp. | 0227 |
| Notoscopelus bolini Nafpaktitis 1975 | 0287 |
| Notoscopelus kroyeri (Malm 1863) - Kroyer's Lanternfish | 0182 |
| Notoscopelus resplendens (Richardson 1845) | 0183 |

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| Notolychnus valdiviae (Brauer 1904) | 0181 |
| Protomyctophum arcticum (Lutken 1892) | 0226 |
| Symbolophorus sp. | 0279 |
| Symbolophorus veranyi (Moreau 1888) - Largescale Lanternfish | 0184 |
| Taaningichthys bathyphilus (Taning 1928) | 0185 |
| Taaningichthys minimus (Taning 1928) | 0186 |
| O. BATRACHOIDIFORMES | |
| F. Batrachoididae | |
| Opsanus tau (Linnaeus 1766) - Toadfish | 0510 |
| O. LOPHIIFORMES | 0298 |
| s.o. CERATIOIDEI | 0687 |
| F. Melanocetidae | |
| Melanocetus johnsoni Gunther 1864 | 0760 |
| F. Oneirodidae | 0683 |
| Chaenophryne longiceps Parr 1927 | 0761 |
| Dolopichthys allector Garman 1899 | 0762 |
| Lasiognathus beebei Regan + Trewavas 1932 | 0763 |
| Leptacanthichthys gracilispinis (Regan 1925) | 0764 |
| Lophodolus acanthognathus Regan 1925 | 0765 |
| Microlophichthys microlophus (Regan 1925) | 0766 |
| Oneirodes sp. | 0768 |
| Oneirodes eschrichtii Lutken 1871 | 0767 |
| F. Ceratiidae - Seadevils | |
| Ceratias holboelli Kroyer 1844 - Deepsea Angler | 0401 |
| Cryptopsaras couesi Gill 1883 - Lesser Deepsea Angler | 0402 |
| F. Himantolophidae - Footballfishes | |
| Himantolophus sp. | 0404 |
| Himantolophus groenlandicus Reinhardt 1837 - Atlantic Footballfish | 0403 |
| F. Caulophrynidae | 0415 |

Caulophryne jordani Goode + Bean 1896 0405

F. Gigantactinidae

Gigantactis sp. 0418

F. Linophrynidae

Linophryne algibarbata Waterman 1939 0406

Linophryne coronata Parr 1927 0407

Linophryne lucifer Collett 1886 0408

s.o. ANTENNAROIDEI

F. Antennariidae - Frogfishes 0398

Antennarius ocellatus Poey 1868 - Ocellated Frogfish 0397

Histrio histrio (Linnaeus 1758) - Sargassumfish 0399

F. Ogcocephalidae - Batfishes 0694

Dibranchus atlanticus Peters 1875 - Atlantic Batfish 0742

s.o. LOPHIOIDEI

F. Lophiidae - Goosefishes

Lophius americanus Valenciennes 1873 - Monkfish 0400

O. GADIFORMES

s.o. GADOIDEI 0101

F. Bregmacerotidae - Codlets

Bregmaceros sp. 0690

F. Melanonidae

F. Moridae - Moras 0194

Antimora rostrata Gunther 1878 - Blue Antimora/Hake 0113

Halargyreus johnsonii Gunther 1862 - Dainty Moras 0109

Laemonema barbatula Goode + Bean 1883 0319

Lepidion eques (Gunther 1887) 0108

| | |
|---|---|
| Physiculus fulvus Bean 1884 - Little Morid | 0757 |
| Svetovidovia sp. | 0297 |
| Hake Unidentified | 0018 |
| F. Gadidae - Cods | 0251 |
| Boreogadus saida (Lepechin 1774) - Arctic Cod | 0110 |
| Brosme brosme (Muller 1776) - Cusk | 0015 |
| Enchelyopus and Urophycis sp.- Rockling and Hake | 0195 |
| Enchelyopus cimbrius (Linnaeus 1766) - Fourbeard Rockling | 0114 |
| Gadus morhua Linnaeus 1758 - Atlantic Cod | 0010 |
| Gadus ogac Richardson 1836 - Greenland Cod | 0118 |
| Gaidropsarus sp. - Rockling Unidentified | 0119 |
| Gaidropsarus argentatus (Reinnardt 1838) - Silver Rockling | 0116 |
| Gaidropsarus ensis (Reinhardt 1838) - Threebeard Rockling | 0115 |
| Hake Unidentified | 0018 |
| Melanogrammus aeglefinus (Linnaeus 1758) - Haddock | 0011 |
| Microgadus tomcod (Walbaum 1792) - Atlantic Tomcod | 0017 |
| Micromesistius poutassou (Risso 1826) - Blue Whiting | 0117 |
| Molva byrkelange (Walbaum 1792) - Blue Ling | 0056 |
| Molva molva (Linnaeus 1758) - European Ling | 0055 |
| Pollachius virens (Linnaeus 1758) - Pollock | 0016 |
| Urophycis sp.- Hake | 0193 |
| Urophycis chesteri Goode + Bean 1878 - Longfin Hake | 0112 |
| Urophycis chuss (Walbaum 1792) - Red Hake | 0013 |
| Urophycis regius (Walbaum 1792) - Spotted Hake | 0111 |
| Urophycis tenuis (Mitchill 1815) - White Hake | 0012 |
| F. Merlucciidae | |
| Merluccius sp.- Hake | 0035 |
| Merluccius albidus (Mitchill 1818) - Offshore Hake | 0019 |
| Merluccius bilinearis (Mitchill 1814) - Silver Hake | 0014 |
| Hake Unidentified | 0018 |
| s.o. OPHIDIOIDEI | |
| F. Carapidae - Pearlfish | |
| Echiodon dawsoni Williams + Shipp 1982 - Chain Pearlfish | 0037 |

F. Bythitidae 0655

F. Ophidiidae (incl. Aphyonidae) - Cusk Eels 0649

Lepophidium cervinum (Goode + Bean 1885) - Fawn Cusk Eel 0650

Ophidion selenops Robins + Bohlke 1959 - Mooneye Cusk Eel 0654

s.o. MACROUROIDEI

F. Macrouridae - Grenadiers 0416

Coelorhynchus carminatus (Goode 1880) - Longnose Grenadier 0413

Coryphaenoides rupestris Gunnerus 1765 - Rock Grenadier 0414

Macrourus berglax Lacepede 1802 - Roughhead Grenadier 0411

Malacocephalus occidentalis Goode + Bean 1885
- American Straptail Grenadier 0409

Nezumia bairdi (Goode + Bean 1877) - Marlin Spike 0410

Trachyrhynchus murrayi Gunther 1887 - Roughnose Grenadier 0412

s.o. ZOARCOIDEI

F. Zoarcidae - Eelpout 0598

Gymnelis viridis (Fabricus 1780) - Fish Doctor 0616

Lycenchelys paxillus (Goode + Bean 1879) - Common Wolf Eel 0617

Lycenchelys verrilli (Goode + Bean 1877) - Wolf Eelpout 0603

Lycodes sp.- Eelpout 0642

Lycodes atlanticus Jensen 1902 - Atlantic Eelpout 0619

Lycodes esmarki Collett 1875 - Esmark's Eelpout 0643

Lycodes lavalaei Vladykov + Tremblay 1936 - Newfoundland Eelpout 0620

Lycodes pallidus Collett 1879 - Pale Eelpout 0627

Lycodes reticulatus Reinhardt 1838 - Arctic Eelpout 0641

Lycodes turneri Bean 1878 - Polar Eelpout 0628

Lycodes vahlii Reinhardt 1838 - Vahl's Eelpout 0647

Lycenchelys sarsi (Collett 1871) - Sar's Wolf Eel 0618

Macrozoarces americanus (Bloch + Schneider 1801) - Ocean Pout 0640

Melanostigma atlanticum Koefoed 1952 - Atlantic Softpout 0646

O. ATHERINIFORMES

F. Exocoetidae - Flyingfishes and Halfbeaks 0748

Cypselurus furcatus (Mitchill 1815) - Spotfin Flyingfish 0734
Cypselurus heterurus (Rafinesque 1810) - Atlantic Flyingfish 0735
Hemiramphus brasiliensis (Linnaeus 1758) - Ballyhoo 0678
Hirundichthys affinis (Gunther 1878) - Fourwing Flyingfish 0682
Hirundichthys rondeletti (Valenciennes 1846) - Blackwing Flyingfish 0736
Hyporhamphus sp.- Common Halfback 0737

F. Belonidae

Strongylura marina (Walbaum 1792) - Atlantic Needlefish 0259

F. Scomberesocidae - Sauries

Scomberesox saurus (Walbaum 1792) - Atlantic Saury 0720

F. Cyprinodontidae - Killifishes

Fundulus diaphanus (LeSueur 1817) - Banded Killifish 0738
Fundulus heteroclitus (Linnaeus 1766) - Mummichogg 0769

F. Atherinidae 0669

Menidia menidia (Linnaeus 1766) - Atlantic Silversides 0770

O. BERYCIFORMES 0802

F. Melamphaeidae

Melamphaes sp. 0685
Melamphaes microps (Gunther 1878) 0798
Poromitra capito Goode + Bean 1882 0799
Poromitra crassiceps (Gunther 1878) 0800
Poromitra megalops (Lutken 1877) 0797
Scopeloberyx opisthopterus (Parr 1933) 0795
Scopelogadus beanii (Gunther 1887) - Bean's Bluejack 0795

F. Polymixiidae - Beardfishes

Polymixia lowei Gunther 1859 - Beardfish 0771
Polymixia nobilis Lowe 1838 - Stout Beardfish 0744

F. Diretmidae - Spinyfishes

Diretmus argenteus Johnson 1863 - Spinyfin 0772

F. Trachichthyidae - Soldierfish

Gephyroberyx darwinii (Johnson 1866) 0773

F. Anoplogasteridae - Ogrefish

Anoplogaster cornuta (Cuvier + Valenciennes 1833) - Ogrefish 0774

F. Berycidae - Alfonsionos

Beryx decadactylus Cuvier + Valenciennes 1829 - Alfonsin a Casta Larga 0775

Beryx splendens Lowe 1833 - Alfonsin a Casta 0776

O. ZEIFORMES

F. Zeidae - Dories

Zenopsis ocellata (Storer 1858)- American John Dory 0704

F. Grammicolepididae - Grammicolepids

Xenolepidichthys americanus Nichols + Firth 1939 - Grammicolepid 0777

O. LAMPRIDIFORMES

F. Lamprididae - Opahs

Lampris regius (Bonaterre 1788) - Opah 0778

O. GASTEROSTEIFORMES

F. Gasterosteidae - Sticklebacks 0360

Apeltes quadracus (Mitchill 1815) - Fourspine Stickleback 0363

Gasterosteus aculeatus Linnaeus 1758 - Threespine Stickleback 0361

Gasterosteus wheatlandi Putman 1867 - Blackspotted Stickleback 0364

Pungitius pungitius (Linnaeus 1758) - Ninespine Stickleback 0362

F. Fistulariidae - Cornetfishes

Fistularia tabacaria Linnaeus 1758 - Bluespotted Cornetfish 0780

F. Syngnathidae - Seahorses and Pipefishes

| | |
|---|---|
| Amphelikturus dendriticus (Barbour xxxx) - Pipehorse | 0810 |
| Hippocampus erectus Perry 1810 - Lined Seahorse | 0779 |
| Syngnathus sp.- Pipefish Unidentified | 0759 |
| Syngnathus dunckeri Metzelaar 1919 - Pugnose Pipefish | 0675 |
| Syngnathus fuscus Storer 1839 - Northern Pipefish | 0702 |
| Syngnathus pelagicus Linnaeus 1766 - Pelagic Pipefish | 0703 |
| Syngnathus springeri Herald 1942 - Bull Pipefish | 0676 |

O. SCORPAENIFORMES 0299

F. Scorpaenidae - Scorpionfishes 0280

| | |
|---|---|
| Helicolenus dactylopterus (DelaRoche 1809) - Blackbelly Rockfish | 0123 |
| Pontius sp. | 0672 |
| Pontinus rathbuni Goode + Bean 1896 - Highfin Scorpionfish | 0751 |
| Scorpaena sp. | 0278 |
| Scorpaena calcarata Goode + Bean 1882 - Rockfish | 0026 |
| Sebastes sp. - Unseparated Redfish | 0023 |
| Sebastes fasciatus Storer 1856 - Labrador Redfish | 0283 |
| Sebastes marinus (Linnaeus 1758) - Redfish/Ocean Perch | 0020 |
| Sebastes marinus doubtful - Redfish - OBSOLETE | 0022 |
| Sebastes mentella Travin 1951 - Deepwater Redfish | 0021 |

F. Triglidae (incl. Peristediidae) - Searobins 0329

| | |
|---|---|
| Peristedion miniatum Goode 1880 - Armored Searobin | 0331 |
| Prionotus carolinus (Linnaeus 1771) - Northern Searobin | 0330 |
| Prionotus evolans (Linnaeus 1766) - Striped Searobin | 0332 |

F. Cottidae - Sculpins 0312

| | |
|---|---|
| Artediellus sp. | 0323 |
| Artediellus uncinatus (Reinhardt 1833) - Arctic Hookear Sculpin | 0306 |
| Cottidae - Others - OBSOLETE | 0311 |
| Cottunculus microps Collett 1875 - Polar Sculpin | 0307 |
| Cottunculus thompsoni (Gunther 1882) - Pallid Sculpin | 0308 |
| Gymnocanthus tricuspis (Reinhardt 1832) - Arctic Staghorn Sculpin | 0302 |
| Hemitripterus americanus (Gmelin 1789) - Sea Raven | 0320 |

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|---|---|
| Icelus sp.- Sculpin | 0318 |
| Icelus bicornis (Reinhardt 1841) - Twohorn Sculpin | 0313 |
| Icelus spatula Gilbert + Burke 1912 - Spatulate Sculpin | 0314 |
| Myoxocephalus sp.- Unidentified Sculpin | 0310 |
| Myoxocephalus aeneus (Mitchill 1815) - Grubby | 0303 |
| Myoxocephalus octodecemspinosus (Mitchill 1815) - Longhorn Sculpin | 0300 |
| Myoxocephalus quadricornis (Linnaeus 1758) - Fourhorn Sculpin | 0315 |
| Myoxocephalus scorpioides (Fabricus 1780) - Arctic Sculpin | 0316 |
| Myoxocephalus scorpius (Linnaeus 1758) - Shorthorn Sculpin | 0301 |
| Triglops sp. - Unidentified Sculpin | 0309 |
| Triglops murrayi Gunther 1888 - Mailed Sculpin | 0304 |
| Triglops nybelini Jensen 1944 - Nybelin's Sculpin | 0305 |
| Triglops pingeli Reinhardt 1832 - Ribbed Sculpin | 0317 |
| F. Agonidae - Poachers and Alligatorfishes | 0351 |
| Aspidophoriodes monopterygius (Bloch 1786) - Alligatorfish | 0340 |
| Aspidophoriodes olriki Lutken 1876 - Arctic Alligatorfish | 0341 |
| Agonus decagonus Bloch + Schneider 1801 - Atlantic Sea Poacher | 0350 |
| F. Cyclopteridae (incl. Liparidae) - Lumpfishes and Seasnails | 0514 |
| Careproctus longipinnis Burke 1912 - Longfin Seasnail | 0507 |
| Careproctus reinhardi (Kroyer 1862) - Sea Tadpole | 0520 |
| Cyclopterus lumpus Linnaeus 1758 - Lumpfish | 0501 |
| Eumicrotremus derjugini Popov 1926 - Leatherfin Lumpsucker | 0509 |
| Eumicrotremus spinosus (Muller 1777) - Atlantic Spiny Lumpsucker | 0502 |
| Liparis sp. - Unidentified Seasnail | 0500 |
| Liparis atlanticus (Jordan + Evermann 1898) - Atlantic Seasnail | 0503 |
| Liparis coheni Able 1976 - Gulf Seasnail | 0513 |
| Liparis gibbus Gilbert 1895 - Seasnail | 0512 |
| Liparis inquilinus Able 1973 - Inquiline Seasnail | 0508 |
| Liparis koefoedi Parr 1932 - Gelatinous Seasnail | 0505 |
| Liparis liparis (Linnaeus 1766) - Striped Seasnail | 0504 |
| Liparis tunicatus Reinhardt 1836 - Greenland Snail | 0506 |
| Paraliparis copei Goode + Bean 1896 - Blacksnout Seasnail | 0511 |
| O. DACTYLOPTERIFORMES | |

F. Dactylopteridae - Flying Gurnards

Dactylopterus volitans (Linnaeus 1758) - Flying Gurnards 0806

O. PERCIFORMES 0636

s.o. PERCOIDEI 0652

F. Percichthyidae - Temperate Basses

Morone americana (Gmelin 1788) - White Perch 0120

Morone saxatilis (Walbaum 1792) - Striped Bass 0024

F. Serranidae (incl. Anthiidae) - Sea Basses 0715

Anthias sp. 0668

Centropristis striatus (Linnaeus 1758) - Sea Bass 0121

Diplectrum formosum (Linnaeus 1766) - Sand Perch 0695

Epinephelus niveatus (Cuvier + Valenciennes 1828) - Snowy Grouper 0698

Polyprion americanus (Bloch + Schneider 1801) - Atlantic Wreckfish 0699

F. Priacanthidae - Bigeyes

Cookeolus boops (Bloch + Schneider 1801) - Bulleye 0078

Priacanthus cruentatus (Lacepede 1800) - Glasseye snapper 0079

F. Apogonidae (incl. Cheilodipteridae & Epigonidae) - Cardinalfishes 0697

Apogon maculatus (Poey 1860) - Flumefish 0781

Apogon pseudomaculatus Longley xxxx - Two Spot Cardinalfish 0685

Apogon sellicaude Evermann + Marsh 1902 0782

Epigonus denticulatus Dieuzeide 1950 0677

Howella brodiei Ogilby 1899 - Cardinalfish 0750

Howella sherborni (Norman 1930) - Sherborn's Cardinalfish 0783

Synagrops spinosa Schultz 1940 0673

F. Branchiostegidae - Tilefishes

Caulolatilus sp. 0289

Lopholatilus chamaeleonticeps Goode + Bean 1879 - Tilefish 0025

F. Pomatomidae - Bluefishes

| | |
|---|---|
| Pomatomus saltatrix (Linnaeus 1758) - Bluefish | 0081 |
| F. Rachycentridae - Cobias | |
| Rachycentron canadum (Linnaeus 1766) - Cobia | 0803 |
| F. Echeneidae - Remoras | |
| Echeneis naucrates Linnaeus 1758 - Sharksucker | 0082 |
| Remora brachyptera (Lowe 1839) - Spearfish Remora | 0083 |
| Remora remora (Linnaeus 1758) - Remora | 0084 |
| F. Carangidae - Jacks and Pompanos | 0174 |
| Caranx crysos (Mitchill 1815) - Blue Runner | 0085 |
| Caranx hippos (Linnaeus 1766) - Crevalle Jack | 0086 |
| Decapterus macarellus (Cuvier 1833) - Mackeral Scad | 0087 |
| Naucrates sp. | 0285 |
| Naucrates ductor (Linnaeus 1758) - Pilotfish | 0088 |
| Selar crumenophthalmus (Bloch 1793) - Bigeye Scad | 0089 |
| Selene vomer (Linnaeus 1758) - Atlantic Lookdown | 0091 |
| Seriola sp. | 0257 |
| Seriola dumerili (Risso 1810) - Greater Amberjack | 0092 |
| Seriola zonata (Mitchill 1815) - Banded Rudderfish | 0074 |
| Trachinotus carolinus (Linnaeus 1766) - Common Pompano | 0261 |
| Trachurus lathami Nichols 1920 | 0269 |
| Trachurus trachurus (Linne 1758) | 0093 |
| Vomer setapinnis (Mitchill 1815) - Atlantic Moonfish | 0094 |
| F. Coryphaenidae - Dolphins | |
| Coryphaena hippurus Linnaeus 1758 - Dolphins | 0747 |
| F. Bramidae - Pomfrets | |
| Brama brama (Bonaterre 1788) - Atlantic Pomfret | 0095 |
| Taractes longipinnis (Lowe 1843) - Bigscale Pomfret | 0096 |
| F. Caristiidae - Manefishes | |
| Caristius groenlandicus (Jensen 1941) - Greenland Manefish | 0097 |

F. Lutjanidae - Snappers

*Lutjanus* sp. 0098

F. Gerreidae 0420

F. Haemulidae - Grunts 0263

*Orthopristis chrysoptera* (Linnaeus 1766) - Pigfish 0266

F. Sparidae - Porgies 0326

*Archosargus probatocephalus* (Walbaum 1792) - Sheepshead 0099
*Pagrus pagrus* Linne 1758 - Red Porgy 0268
*Stenotomus chrysops* (Linnaeus 1766) - Scup 0102

F. Sciaenidae - Drums

*Cynoscion nebulosus* (Cuvier + Valenciennes 1830) - Spotted Weakfish 0271
*Cynoscion regalis* (Bloch + Schneider 1801) - Weakfish 0103
*Leiostomus xanthurus* Lacepede 1802 - Spot Croaker 0270
*Menticirrhus saxatilis* (Bloch + Schneider 1801) - Northern Kingfish 0007
*Micropogonias undulatus* (Linnaeus 1766) - Atlantic Croaker 0258
*Pogonias cromis* (Linnaeus 1766) - Black Drum 0104
*Sciaenops ocellata* (Linnaeus 1766) - Red Drum 0267

F. Mullidae - Goatfishes

*Mullus auratus* Jordan + Gilbert 1882 - Red Goatfish 0105

F. Kyphosidae - Sea Chubs

*Kyphosus sectatrix* (Linnaeus 1766) - Bermuda Chub 0106

F. Chaetodontidae (incl. Pomacanthidae) - Butterflyfishes 0328

*Chaetodon ocellatus* Bloch 1787 - Spotfin Butterflyfish 0107

F. Pomacentridae - Damselfishes

*Abudefduf saxatilis* (Linnaeus 1758) - Sergeant Major 0054

S.O. MUGILOIDEI

F. Mugilidae - Mullets 0265

| | |
|---|---|
| Mugil cephalus Linnaeus 1758 - Striped Mullet | 0048 |
| Mugil curema Cuvier + Valenciennes 1836 - White Mullet | 0047 |
| s.o. SPHYRAENOIDEI | |
| F. Sphyraenidae - Barracudas | |
| Sphyraena borealis DeKay 1842 - Northern Sennet | 0046 |
| s.o. TRACHINOIDEI | |
| F. Chiasmodontidae - Black Swallowers | |
| Chiasmodon niger Johnson 1863 - Black Swallower | 0039 |
| Pseudoscopelus sp.- Swallowers | 0038 |
| s.o. LABROIDEI | 0199 |
| F. Scaridae - Parrotfish | 0197 |
| F. Labridae - Wrasses | 0036 |
| Tautoga onitis (Linnaeus 1758) - Tautog | 0053 |
| Tautogolabrus adspersus (Walbaum 1792) - Cunner | 0122 |
| s.o. BLENNIOIDEI - Blennies, Shannies, Gunnels | 0644 |
| F. Lumpenidae | 0645 |
| Lumpenus fabricii (Valenciennes 1836) - Slender Eelblenny | 0631 |
| Lumpenus lumpretaeformis (Walbaum 1792) - Snakeblenny | 0622 |
| Lumpenus maculatus (Fries 1837) - Daubed Shanny | 0623 |
| Lumpenus medius (Reinhardt 1838) - Stout Eelblenny | 0632 |
| F. Stichaeidae | 0639 |
| Chirolophus ascanii (Walbaum 1792) - Yarrell's Snakeblenny | 0629 |
| Eumesogrammus praecisus (Kroyer 1837) - Fourline Snakeblenny | 0626 |
| Stichaeus punctatus (Fabricius 1780) - Arctic Shanny | 0624 |
| Ulvaria subbifurcata (Storer 1839) - Radiated Shanny | 0625 |
| F. Pholidae - Gunnels | |

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|---|---|
| Blennies, Shannies, Gunnels - OBSOLETE (see 0644) | 0605 |
| Pholis fasciata (Bloch + Schneider 1801) - Banded Gunnel | 0633 |
| Pholis gunnellus (Linnaeus 1758) - Rock Gunnel | 0621 |
| F. Anarhichadidae - Wolffishes | 0059 |
| Anarhichas denticulatus Kroyer 1884 - Northern Wolffish | 0052 |
| Anarhichas lupus Linnaeus 1758 - Atlantic Wolffish | 0050 |
| Anarhichas minor Olafsen 1774 - Spotted Wolffish | 0051 |
| F. Cryptacanthodidae - Wrymouths | |
| Cryptacanthodes maculatus Storer 1839 - Wrymouth | 0630 |
| s.o. AMMODYTOIDEI | |
| F. Ammodytidae - Sand Lances | 0590 |
| Ammodytes sp.- Sand Lance (sand eels) Unidentified | 0611 |
| Ammodytes americanus DeKay 1842 - American Sand Lance | 0599 |
| Ammodytes dubius Reinhardt 1838 - Northern Sand Lance | 0610 |
| s.o. GOBIOIDEI | |
| F. Gobiidae - Gobies | 0804 |
| s.o. CALLIONYMOIDEI | |
| F. Callionymidae - Dragonets | 0635 |
| Callionymus sp. | 0657 |
| Callionymus agassizi Goode + Bean 1888 - Spotfin Dragonet | 0637 |
| Callionymus bairdi Jordan 1887 - Coral Dragonet | 0653 |
| s.o. SCOMBROIDEI | 0073 |
| F. Gempylidae - Snake Mackerels | 0296 |
| Lepidocybium flavobrunneum (Smith 1849) - Escolar | 0027 |
| Nealotus tripes Johnson 1865 | 0028 |
| Ruvettus pretiosus Cocco 1829 - Oilfish | 0029 |
| F. Trichiuridae - Cutlassfishes | 0689 |
| Aphanopus carbo Lowe 1839 - Black Scabbardfish | 0784 |

Benthodesmus simonyi (Steindachner 1891) - Frostfish 0714

F. Scombridae - Mackerels and Tunas

Auxis thazard (Lacepede 1802) - Frigate Mackerel 0187

Euthynnus alletteratus (Rafinesque 1810) - False Albacore 0173

Euthynnus katsuwonus pelamis Jordan + Gilbert 1883
- Striped Bonito/Skipjack Tuna 0172

Sarda sarda (Block 1793) - Atlantic Bonito 0188

Scomber japonicus Houttuyn 1782 - Chub Mackerel 0170

Scomber scombrus Linnaeus 1758 - Atlantic Mackerel 0070

Scomberomorus cavalla (Cuvier + Valenciennes 1831) - King Mackerel 0189

Scomberomorus maculatus (Mitchill 1815) - Spanish Mackerel 0171

Thunnus sp. 0321

Thunnus alalunga (Bonnaterre 1788) - Albacore 0190

Thunnus albacares (Bonnaterre 1788) - Yellowfin Tuna 0191

Thunnus obesus (Lowe 1839) - Bigeye Tuna 0192

Thunnus thynnus (Linnaeus 1758) - Bluefin Tuna 0071

F. Xiphiidae - Swordfishes

Xiphias gladius Linnaeus 1758 - Swordfish 0072

F. Istiophoridae (incl. Makairidae) - Spearfishes and Sailfishes (Marlins)

Istiophorus platypterus Shaw + Nodder 1791 - Sailfish 0255

Makaira albida (Poey 1860) - White Marlin 0032

Makaira nigricans Lacepede 1803 - Blue Marlin 0033

s.o. STROMATEOIDEI

F. Centrolophidae - Medusa Fishes

Centrolophus niger (Gmelin 1788) - Black Ruff 0787

Hyperoglyphe perciformis (Mitchill 1818) - American Barrelfish 0743

Schedophilus medusophagus Cocco 1839 - Cornish Blackfish 0786

F. Nomeidae - Driftfishes

Nomeus gronovii (Gmelin 1788) - Man-of-War Fish 0788

Psenes maculatus Lutken 1880 - Silver Driftfish 0789

F. Ariommidae

| | |
|---|---|
| Ariomma bondi Fowler 1930 - Silver Rag | 0785 |
| F. Tetragonuridae - Squaretails | |
| Tetragonurus atlanticus Lowe 1843 - Bigeye Squaretail | 0790 |
| Tetragonurus cuvieri Risso 1810 - Smalleye Squaretail | 0791 |
| F. Stromateidae - Butterfishes | |
| Ariomma sp. | 0813 |
| Peprilus triacanthus (Peck 1804) - Butterfish | 0701 |
| O. PLEURONECTIFORMES | 0346 |
| F. Scophthalmidae | |
| Scophthalmus aquosus (Mitchill 1815) - Windowpane | 0143 |
| F. Bothidae - Lefteye Flounder | 0196 |
| Bothus sp. | 0008 |
| Bothus ocellatus (Agassiz 1821) - Eyed Flounder | 0045 |
| Citharichthys arctifrons Goode 1880 - Winter Flounder | 0044 |
| Engyophrys senta Ginsburg 1933 | 0325 |
| Monolene antillarum Norman 1933 | 0324 |
| Monolene sessilicauda Goode 1880 | 0385 |
| Paralichthys dentatus (Linnaeus 1766) - Summer Flounder | 0141 |
| Paralichthys oblongus (Mitchill 1815) - Fourspot Flounder | 0142 |
| Syacium sp. | 0198 |
| Syacium micrurum Ranzani 1840 - Channel Flounder | 0282 |
| Trichopsetta sp. | 0277 |
| Trichopsetta orbisulcus Anderson + Gutherz 1967 | 0333 |
| F. Pleuronectidae - Righteye Flounder | 0049 |
| Glyptocephalus cynoglossus (Linnaeus 1758) - Witch Flounder | 0041 |
| Hippoglossoides platessoides (Fabricius 1780) - American Plaice | 0040 |
| Hippoglossus hippoglossus (Linnaeus 1758) - Atlantic Halibut | 0030 |
| Limanda ferruginea (Storer 1839) - Yellowtail Flounder | 0042 |
| Liopsetta putnami (Gill 1864) - Smooth Flounder | 0140 |

Pseudopleuronectes americanus (Walbaum 1792) - Winter Flounder 0043

Reinhardtius hippoglossoides (Walbaum 1792) - Greenland Halibut 0031

F. Cynoglossidae - Tonguefishes

Symphurus sp. 0805

Symphurus minor Ginsberg 1951 - Largescale Tonguefish 0693

Symphurus pterospilotus Ginsburg 1951 - Tonguefish 0816

O. TETRAODONTIFORMES

F. Balistidae - Triggerfishes and Filefishes

Alutera schoepfi (Walbaum 1792) - Orange Filefish 0001

Alutera scriptus (Osbeck 1757) - Scrawled Filefish 0002

Balistes capriscus Gmelin 1789 - Gray Triggerfish 0003

Balistes vetula Linnaeus 1758 - Queen Triggerfish 0004

Monacanthus ciliatus (Mitchill 1818) - Fringed Filefish 0005

Stephanolepis hispidus (Linnaeus 1766) - Planehead Filefish 0006

F. Ostraciontidae - Boxfishes

Lactophrys trigonus (Linnaeus 1758) - Trunkfish 0794

Lactophrys triqueter (Linnaeus 1754) - Smooth Trunkfish 0809

F. Tetraodontidae (incl. Canthigasteridae) - Puffers

Lagocephalus lagocephalus Linnaeus 1758 - Oceanic Puffer 0792

Sphoeroides maculatus (Bloch + Schneider 1801) - Northern Puffer 0746

F. Diodontidae - Porcupine Fishes 0692

Chilomycterus schoepfi (Walbaum 1792) - Striped Burrfish 0793

F. Molidae - Molas

Mola mola (Linnaeus 1758) - Ocean Sunfish 0730

C. MAMMALIA

O. CETACEA *18

s.o. ODONTOCETI

| | |
|---|---|
| Unidentified Whales | 0920 |
| Unidentified Dolphins | 0930 |

F. Ziphiidae

| | |
|---|---|
| Hyperoodon ampullatus (Forster 1770) Northern Bottlenosed Whale | 0922 |

F. Delphinidae

| | |
|---|---|
| Globicephalus malaena (Traill 1809) - Atlantic Pilot Whale | 0921 |
| Tursiops truncatus (Montagu 1821) - Atlantic Bottlenosed Dolphin | 0931 |
| Lagenorhynchus albirostris Gray 1846 - White Beaked Dolphin | 0932 |
| Lagenorhynchus acutus (Gray 1828) - Atlantic White sided Dolphin | 0933 |

O. PINNIPEDIA *19

S.F. PHOCOIDEA

| | |
|---|---|
| F. Phocidae | 0900 |

S.F. OTARIOIDEA

| | |
|---|---|
| F. Odobenidae | 0910 |

FLORA

K. PLANTIA

P. ALGAE

| | |
|---|---|
| C. THALLOPHYTA - Algae (Seaweeds), Kelp | 9300 |
| C. PHAEOPHYCEAE - Brown Seaweeds | 9303 |
| *Fucus* sp. - Brown Rockweed | 9301 |
| C. CHLOROPHYCEAE - Green Seaweeds | |
| F. Ulvaceae | |
| *Ulva* sp. - Sea Lettuce | 9302 |
| C. RHODOPHYCEAE - Red Seaweeds | 9304 |

## MISCELLANEOUS

| | |
|---|---|
| Unidentified remains, ie. digested in stomachs | 9000 |
| Mucus | 9100 |
| Stones and rocks | 9200 |
| Foreign articles, ie. garbage | 9400 |
| Mud | 9500 |
| Water | 9600 |
| Sand | 9700 |
| Oil (crude), etc. | 9800 |
| Empty | 9999 |
| T. tanoplus - OBSOLETE *7 | 2826 |
| Tube Worms - OBSOLETE *7 | 3400 |
| Opercula Unidentified - OBSOLETE *7 | 4100 |

EGGS

| | |
|---|---|
| EGGS, Unidentified | 1100 |
| FISH EGGS | 1200 |
| F. Gadidae - Cod | 1210 |
| Gadus morhua - Cod | 1211 |
| Melanogrammus aeglefinus - Haddock | 1212 |
| Hippiglossina oblonga | 1220 |
| Clupea harengus - Herring | 1221 |
| Hippoglossoides platessoides - Plaice | 1222 |
| Scomber scombrus - Mackerel | 1223 |
| Raja sp. - Skate | 1224 |
| Cyclopterus lumpus - Lumpfish | 1225 |
| Ammodytes sp. - Sand Lance | 1226 |
| Glyptocephalus cynoglossus - Witch Flounder | 1227 |
| Icelus sp. - Sculpins | 1228 |
| Enchelyopus cimbrius - Fourbeard Rockling | 1229 |
| Limanda ferruginea - Yellowtail Flounder | 1230 |
| PLEURONECTIFORMES - Flatfishes Unidentified | 1231 |
| Tautogolabrus adspersus - Cunner | 1232 |
| Urophycis tenuis - White Hake | 1233 |
| Peprilus triacanthus - Butterfish | 1234 |
| Brosme brosme - Cusk | 1235 |
| Lophius americana - Monkfish/Angler | 1238 |
| Merluccius bilinearis - Silver Hake | 1239 |
| Merluccius albidus - Offshore Hake | 1245 |
| Urophycis sp. - Hake | 1246 |
| Pollachius virens - Pollock | 1247 |
| Hippoglossus hippoglossus - Atlantic Halibut | 1248 |
| Scophthalmus aquosus - Brill-Windowpane Flounder | 1249 |
| Citharichthys arctifrons -Gulfstream Flounder | 1250 |
| Paralicthys dentatus - Summer Flounder | 1251 |
| Argentina silas | 1252 |
| Gonostomatidae | 1260 |

Mixed Grouping of Fish Eggs

| | |
|---|---|
| Cod/Haddock | 1237 |
| Silver/Long-fin Hake | 1240 |
| Silver/Long-fin Hake/Fourbeard Rockling | 1241 |
| H4B:<br>Fourbeard Rockling<br>Hake sp.<br>Butterfish<br>Silver Hake<br>Offshore Hake<br>Gulfstream Flounder<br>Longfin Hake | 1236 |
| Cod/Haddock/Witch | 1242 |
| Cusk/Mackerel | 1243 |
| Cunner/Yellowtail | 1244 |

| | |
|---|---|
| INVERTEBRATE EGGS | 1305 |
| CRUSTACEA | 1300 |
| COPEPODA | 1309 |
| DECAPODA | 1310 |
| PANDALID | 1311 |
| HIPPOLYTID | 1312 |
| CRAGONID | 1313 |
| CRAB | 1314 |
| LOBSTER | 1315 |
| HERMIT CRABS | 1316 |
| ANNELIDA - Segmented Worms | 1400 |
| POLYCHAETA - Bristle Worms | 1410 |
| <u>Aphrodite aculeata</u> - Sea Mouse | 1420 |
| SIPUNCULA (GEPHYREA) | 1430 |
| NEMATODA- Tube Worms | 1440 |
| MOLLUSCA - Mollusks | 1500 |
| Buccinidae - Whelks | 1510 |
| GASTEROPODA - Snails and Slugs | 1511 |
| PELECYPODA - Bivalve Molluscs | 1520 |
| CEPHALOPODA - Squid | 1530 |
| Others - Invertebrates | 1600 |

FOOTNOTES

:o Kudo, 1966.

:o Linkletter et al. 1977.

:o Shih et al. 1977.

:o Gosner, 1971.

.o Margolis, 1979.

.o Abbott, 1974.

o Voss, 1977.

o Tattersall, 1951.

o Williams, 1974.

o Van Name, 1912.

o Bousfield, 1973.

o Watling, 1979.

o Schultz, 1969.

o Wilson, 1932.

o Parker et al., 1964.

o Unesco, 1979.

o Leatherwood et al., 1976.

o Scheffer, 1958.

o Sverdrup et al., 1955.

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# APPENDIX A

## MAIN GROUPS (SUMMARY OR KEY) OF COLUMN A

GROUP (0) Fish
Marine Mammals

GROUP (1) Eggs - Fish
Invertebrates
PROTOZOA
ENTOPROCTA
BRYOZOA
ECTOPROCTA
BRACHIOPODA
CHORDATA - PROTOCHORDATA
TUNICATA

GROUP (2) ARTHROPODA - MANDIBULATA
CHELICERATA
PYCNOGONIDA - Nymphonidae
Poduridae
MOLLUSCA - BIVALVIA - Limacinidae

GROUP (3) ANNELIDA
SIPUNCULA
ECHIURIDA
ASCHELMINTHES
MOLLUSCA - HETERPODA
PTEROPODA
BIVALVIA - Thraciidae
Leptonidae
Lucinidae

GROUP (4) MOLLUSCA

GROUP (5) RHYNCHOCOELA - ARCHAEOGASTROPODA
MESOGASTROPODA - Crepidulidae
ARTHROPODA - PYCNOGONIDA - PANTOPODA
+ additional phyla to be added

GROUP (6) ECHINODERMATA

GROUP (7) PLATYHELMINTHES
NEMATHELMINTHES

GROUP (8) CTENOPHORES, COELENTERATES and PORIFERA
PORIFERA
CNIDARIA
CTENOPHORA

GROUP (9) Marine Plants
Inanimates (eg. stones,gravel, crude oil, etc.)

# APPENDIX B

## ALPHABETICAL LISTING OF FISH SPECIES BY SCIENTIFIC NAME

0054 Abudefduf saxatilis (Linnaeus 1758) - Sergeant Major
0249 Acipenser brevirostrum LeSueur 1818 - Shortnose Sturgeon
0243 Acipenser oxyrhynchus Mitchill 1815 - Atlantic Sturgeon
0350 Agonus decagonus Bloch + Schneider 1801 - Atlantic Sea Poacher
0441 Ahlia egomontis (Jordan 1884) - Key Worm Eel
0175 Albula vulpes (Linnaeus 1758) - Bonefish
0724 Aleopocephalus bairdii (Goode + Bean 1879) - Baird's Smoothhead
0731 Alepisaurus brevirostris Gibbs 1960 - Shortnose Lancetfish
0710 Alepisaurus ferox Lowe 1833 - Longnose Lancetfish
0234 Alopias vulpinus (Bonnaterre 1788) - Thresher Shark
0281 Alosa sp.
0165 Alosa aestivalis (Mitchill 1815) - Blueback Herring
0264 Alosa mediocris (Mitchill 1814) - Hickory Shad
0062 Alosa pseudoharengus (Wilson 1811) - Gaspereau, Alewife
0061 Alosa sapidissima (Wilson 1811) - American Shad
0001 Aluterа schoepfi (Walbaum 1792) - Orange Filefish
0002 Aluterа scriptus (Osbeck 1757) - Scrawled Filefish
0611 Ammodytes sp.- Sand Lance (sand eels) Unidentified
0599 Ammodytes americanus DeKay 1842 - American Sand Lance
0610 Ammodytes dubius Reinhardt 1838 - Northern Sand Lance
0810 Amphelikturus dendriticus (Barbour xxxx) - Pipehorse
0426 Anarchias yoshiae Kanazawa 1952 - Pigmy Moray
0052 Anarrhichas denticulatus Kroyer 1884 - Northern Wolffish
0050 Anarrhichas lupus Linnaeus 1758 - Atlantic Wolffish
0051 Anarrhichas minor Olafsen 1774 - Spotted Wolffish
0058 Anchoa hepsetus (Linnaeus 1758) - Striped Anchovy
0254 Anchoa mitchilli (Cuvier + Valenciennes 1848) - Bay Anchovy
0651 Anguilla anguilla Shaw 1803 - European Eel
0600 Anguilla rostrata (LeSueur 1817) - American Eel
0774 Anoplogaster cornuta (Cuvier + Valenciennes 1833) - Ogrefish
0732 Anotopterus pharao Zugmayer 1911 - Daggertooth
0397 Antennarius ocellatus Poey 1868 - Ocellated Frogfish
0668 Anthias sp.
0113 Antimora rostrata Gunther 1878 - Blue Antimora/Hake
0363 Apeltes quadracus (Mitchill 1815) - Fourspine Stickleback
0784 Apnanopus carbo Lowe 1839 - Black Scabbardfish
0781 Apogon maculatus (Poey 1860) - Flumefish
0685 Apogon pseudomaculatus Longley xxxx - Two Spot Cardinalfisn
0782 Apogon sellicaude Evermann + Marsn 1902
0239 Acipenser brevirostrum LeSueur 1818 - Shortnose Sturgeon
0442 Apterichtus profundorum (Goode + Bean 1896) - Deepsea Cat Shark
0443 Apterichtus kendalli (Gilbert 1889)
0099 Archosargus probatocephalus (Walbaum 1792) - Sheepshead
0160 Argentina silus Ascanius 1763 - Atlantic Argentine
0161 Argentina striata Goode + Bean 1896 - Striated Argentine
0700 Argyropelecus aculeatus Cuvier + Valenciennes 1849 - Atlantic Silver Hatchetfish
0705 Argyropelecus gigas Norman 1903
0706 Argyropelecus hemigymnus Cocco 1829
0707 Argyropelecus lychnus lychnus Garman 1899
0813 Ariomma sp.
0785 Ariomma bondi Fowler 1930 - Silver Rag
0430 Ariosoma sp.
0338 Aristostomias sp.
0323 Artediellus sp.
0306 Artediellus uncinatus (Reinhardt 1833) - Arctic Hookear Sculpin
0340 Aspidophoroides monopterygius (Bloch 1786) - Alligatorfish
0341 Aspidophoroides olriki Lutken 1876 - Arctic Alligatorfish
0187 Auxis thazard (Lacepede 1802) - Frigate Mackerel
0003 Balistes capriscus Gmelin 1789 - Gray Triggerfish
0004 Balistes vetula Linnaeus 1758 - Queen Triggerfish
0444 Bascanichthys bascanium (Jordan 1884)
0722 Bathophilus metallicus (Welsh 1923)
0295 Bathylagus sp.
0291 Bathylagus compsus Conen 1958
0176 Bathylagus euryops Goode + Bean 1895 - Goitre Black Smelt

0148 Bathypterois dubius Vaillant 1888 - Notch Feeler Fish
0814 Bathysaurus ferox Gunther 1878
0714 Benthodesmus simonyi (Steindachner 1891) - Frostfish
0286 Benthosema sp.
0157 Benthosema glaciale (Reinhardt 1837) - Glacier Lanternfish
0775 Beryx decadactylus Cuvier + Valenciennes 1829 - Alfonsin a Casta Larga
0776 Beryx splendens Lowe 1833 - Alfonsin a Casta
0605 Blennies, Snannies, Gunnels - OBSOLETE (see 0644)
0292 Bolinichthys photothorax (Parr 1928)
0110 Boreogadus saida (Lepecnin 1774) - Arctic Cod
0716 Borostomias antarcticus (Lonnberg 1905) - Straightline Dragonfish
0008 Bothus sp. sp.
0045 Bothus ocellatus (Agassiz 1821) - Eyed Flounder
0095 Brama brama (Bonaterre 1788) - Atlantic Pomfret
0690 Bregmaceros sp.
0164 Brevoortia tyrannus (Latrobe 1802) - Atlantic menhaden
0015 Brosme brosme (Muller 1776) - Cusk
0445 Callechelys sp.
0446 Callechelys muraena (Jordan + Evermann 1886) - Blotched Snake Eel
0657 Callionymus sp.
0637 Callionymus agassizi Goode + Bean 1888 - Spotfin Dragonet
0653 Callionymus bairdi Jordan 1887 - Coral Dragonet
0085 Caranx crysos (Mitchill 1815) - Blue Runner
0086 Caranx hippos (Linnaeus 1766) - Crevalle Jack
0244 Carcharhinus longimanus (Poey 1861) - Oceanic Whitetip Shark
0245 Carcharhinus milberti Jordan + Gilbert 1883 - Sandbar Shark
0246 Carcharhinus obscurus (LeSeuer 1818) - Dusky Shark
0232 Carcharodon carcharias (Linnaeus 1758) - White Shark
0507 Careproctus longipinnis Burke 1912 - Longfin Seasnail
0520 Careproctus reinhardi (Kroyer 1862) - Sea Tadpole
0097 Caristius groenlandicus (Jensen 1941) - Greenland Manefish
0289 Caulolatilus sp.
0405 Caulophryne jordani Goode + Bean 1896
0124 Centrobranchus nigro-ocellatus (Gunther 1873)
0787 Centrolophus niger (Gmelin 1788) - Black Ruff
0121 Centropristis striatus (Linnaeus 1758) - Sea Bass
0221 Centroscyllium fabricii (Reinhardt 1825) - Black Dogfish
0223 Centroscymnus coelolepis Bocage + Brito Capello 1864 - Portugese Shark
0401 Ceratias holboelli Kroyer 1844 - Deepsea Angler
0293 Ceratoscopelus sp.
0163 Ceratoscopelus maderensis (Lowe 1839) - Horned Lanternfish
0233 Cetorhinus maximus (Gunnerus 1765) - Basking Shark
0761 Chaenophryne longiceps Parr 1927
0107 Chaetodon ocellatus Bloch 1787 - Spotfin Butterflyfish
0335 Chauliodus sp.
0334 Chauliodus danae Regan + Trewavas 1929
0169 Chauliodus sloani Bloch + Schneider 1801 - Viperfish
0039 Chiasmodon niger Johnson 1863 - Black Swallower
0793 Chilomycterus schoepfi (Walbaum 1792) - Striped Burrfish
0629 Chirolophus ascanii (Walbaum 1792) - Yarrell's Snakeblenny
0481 Chlopsis bicolor Rafinesque 1810
0156 Chloropnthalmus agassizi Bonaparte 1840 - Shortnose Greeneye
0044 Citharichthys arctifrons Goode 1880 - Winter Flounder
0060 Clupea harengus harengus Linnaeus 1758 - Atlantic Herring
0413 Coelorhynchus carminatus (Goode 1880) - Longnose Grenadier
0431 Conger sp.
0608 Conger oceanicus (Mitchill 1818) - Conger Eel
0749 Conocara salmonea (Gill + Townsend 1897) - Slickhead
0078 Cookeolus boops (Bloch + Schneider 1801) - Bulleye
0067 Coregonus canadensis Scott 1967 - Atlantic Whitefish
0066 Coregonus clupeaformis (Mitchill 1818) - Lake Whitefish
0747 Coryphaena hippurus Linnaeus 1758 - Dolphins
0414 Corypnaenoides rupestris Gunnerus 1765 - Rock Grenadier

0307 Cottunculus microps Collett 1875 - Polar Sculpin
0308 Cottunculus thompsoni (Gunther 1882) - Pallid Sculpin
0630 Cryptacanthodes maculatus Storer 1839 - Wrymouth
0402 Cryptopsaras couesi Gill 1883 - Lesser Deepsea Angler
0501 Cyclopterus lumpus Linnaeus 1758 - Lumpfish
0755 Cyclothone sp.- Anglemouth Unidentified
0696 Cyclothone acclinidens Garman 1899
0753 Cyclothone alba Brauer 1906 - Albino Anglemouth

0754 Cyclothone braueri Jesperson + Taning 1926 - Brauer's Anglemouth
0154 Cyclothone microdon (Gunther 1878) - Veiled Anglemoutn
0271 Cynoscion nebulosus (Cuvier + Valenciennes 1830) - Spotted Weakfish
0103 Cynoscion regalis (Bloch + Schneider 1801) - Weakfish
0734 Cypselurus furcatus (Mitchill 1815) - Spotfin Flyingfish
0735 Cypselurus heterurus (Rafinesque 1810) - Atlantic Flyingfish
0806 Dactylopterus volitans (Linnaeus 1758) - Flying Gurnards
0213 Dasyatis centroura (Mitchill 1815) - Roughtail Stingray
0218 Dasyatis violacea (Bonaparte 1832) - Pelagic Stingray
0087 Decapterus macarellus (Cuvier 1833) - Mackeral Scad
0612 Derichthys serpentinus Gill 1884
0229 Diaphus sp.
0152 Diaphus dumerili (Bleeker 1856) - Lanternfish
0125 Diaphus perspicillatus (Ogilby 1898)
0126 Diaphus elucens (Brauer 1904)
0127 Diaphus luetkeni (Brauer 1904)
0168 Diaphus metopoclampus (Cocco 1829) - Headlightfish
0128 Diaphus mollis Taning 1928
0129 Diaphus rafinesquii (Cocco 1838)
0130 Diaphus termophilus Taning 1928
0742 Dibranchus atlanticus Peters 1875 - Atlantic Batfish
0695 Diplectrum formosum (Linnaeus 1766) - Sand Perch
0772 Diretmus argenteus Johnson 1863 - Spinyfin
0762 Dolopichthys allector Garman 1899
0262 Dorosoma cepedianum (LeSeuer 1818) - Gizzard Shad
0459 Dysomma sp.
0082 Echeneis naucrates Linnaeus 1758 - Sharksucker
0037 Echiodon dawsoni Williams + Shipp 1982 - Chain Pearlfish
0447 Echiophis sp.
0131 Electrona rissoi (Cocco 1829)
0349 Elops saurus Linnaeus 1766 - Lady Fish
0195 Enchelyopus and Urophycis sp.- Rockling and Hake
0114 Enchelyopus cimbrius (Linnaeus 1766) - Fourbeard Rockling
0009 Engraulis eurystole (Swain + Meek 1884) - Silver Anchovy
0325 Engyophrys senta Ginsburg 1933
0677 Epigonus denticulatus Dieuzeide 1950
0698 Epinephelus niveatus (Cuvier + Valenciennes 1828) - Snowny Grouper
0224 Etmopterus princeps Collett 1904 - Rough Sagre
0166 Etrumeus teres Gunther 1868 - Round Herring
0626 Eumesogrammus praecisus (Kroyer 1837) - Fourline Snakeblenny
0509 Eumicrotremus derjugini Popov 1926 - Leatherfin Lumpsucker
0502 Eumicrotremus spinosus (Muller 1777) - Atlantic Spiny Lumpsucker
0614 Eurypharynx pelecanoides Vaillant 1882 - Pelican Grouper
0670 Eustomias fissibarbis (Pappenheim 1914)
0173 Euthynnus alletteratus (Rafinesque 1810) - False Albacore
0172 Euthynnus katsuwonus pelamis Jordan + Gilbert 1883 - Striped Bonito/Skipjack
0733 Evermannella sp.
0659 Facciolella sp.
0100 Finfishes (Non-specified)
0780 Fistularia tabacaria Linnaeus 1758 - Bluespotted Cornetfish
0738 Fundulus diaphanus (LeSueur 1817) - Banded Killifish
0769 Fundulus heteroclitus (Linnaeus 1766) - Mummichogg
0010 Gadus morhua Linnaeus 1758 - Atlantic Cod
0118 Gadus ogac Richardson 1836 - Greenland Cod
0119 Gaidropsarus sp. - Rockling Unidentified
0116 Gaidropsarus argentatus (Reinhardt 1838) - Silver Rockling
0115 Gaidropsarus ensis (Reinhardt 1838) - Threebeard Rockling
0361 Gasterosteus aculeatus Linnaeus 1758 - Threespine Stickleback
0364 Gasterosteus wheatlandi Putman 1867 - Blackspotted Stickleback
0773 Gephyroberyx darwinii (Johnson 1866)
0418 Gigantactis sp.
0041 Glyptocephalus cynoglossus (Linnaeus 1758) - Witch Flounder
0132 Gonichthys coccoi (Cocco 1829) - Cocco's Lanternfish
0155 Gonostoma elongatum Gunther 1878 - Longtooth Anglemouth
0717 Grammatostomias dentatus Goode + Bean 1895 - Torpedo Dragonfish
0253 Groundfish (Non-specified)
0616 Gymnelis viridis (Fabricus 1780) - Fish Doctor
0302 Gymnocanthus tricuspis (Reinhardt 1832) - Arctic Staghorn Sculpin
0427 Gymnothorax sp.
0606 Gymnothorax funebris Ranzani 1840 - Green Moray
0018 Hake Unidentified
0109 Halargyreus johnsonii Gunther 1862 - Dainty Moras

0247 Harriotta raleighana Goode + Bean 1895 - Longnose Chimaera
0123 Helicolenus dactylopterus (DelaRoche 1809) - Blackbelly Rockfish
0678 Hemiramphus brasiliensis (Linnaeus 1758) - Ballyhoo
0320 Hemitripterus americanus (Gmelin 1789) - Sea Raven
0133 Hierops artica - OBSOLETE (See 0226)
0432 Hildebrandia sp.
0404 Himantolophus sp.
0403 Himantolophus groenlandicus Reinhardt 1837 - Atlantic Footballfish
0779 Hippocampus erectus Perry 1810 - Lined Seahorse
0040 Hippoglossoides platessoides (Fabricius 1780) - American Plaice
0030 Hippoglossus hippoglossus (Linnaeus 1758) - Atlantic Halibut
0682 Hirundichthys affinis (Gunther 1878) - Fourwing Flyingfish
0736 Hirundichthys rondeletti (Valenciennes 1846) - Blackwing Flyingfish
0399 Histrio histrio (Linnaeus 1758) - Sargassumfish
0477 Hoplunnis sp.
0750 Howella brodiei Ogilby 1899 - Cardinalfish
0783 Howella sherborni (Norman 1930) - Sherborn's Cardinalfish
0242 Hydrolagus affinis (Capello 1868) - Deepwater Chimaera
0134 Hygophum benoiti (Cocco 1838) - Benoit's Lanternfish
0135 Hygophum hygomi (Lutken 1892)
0136 Hygophum macrochir (Gunther 1864)
0342 Hygophum reinhardtii (Lutken 1892)
0743 Hyperoglyphe perciformis (Mitchill 1818) - American Barrelfish
0737 Hypornamphus sp. - Common Halfback
0318 Icelus sp. - Sculpin
0313 Icelus bicornis (Reinhardt 1841) - Twohorn Sculpin
0314 Icelus spatula Gilbert + Burke 1912 - Spatulate Sculpin
0723 Idiacanthus fasciola Peters 1876 - Ribbon Sawtailfish
0255 Istiophorus platypterus Shaw + Nodder 1791 - Sailfish
0238 Isurus oxyrinchus Rafinesque 1810 - Shortfin Mako
0482 Kaupichthys nyoproroides (Stromman 1896)
0106 Kyphosus sectatrix (Linnaeus 1766) - Bermuda Chub
0794 Lactophrys trigonus (Linnaeus 1758) - Trunkfish
0809 Lactophrys triqueter (Linnaeus 1754) - Smooth Trunkfish
0319 Laemonema barbatula Goode + Bean 1883
0792 Lagocephalus lagocephalus Linnaeus 1758 - Oceanic Puffer
0230 Lamna nasus (Bonnaterre 1788) - Porbeagle, Mackerel Shark
0137 Lampadena nitida Taning 1928
0138 Lampadena speculigera Goode + Bean 1896 - Mirror Lanternfish
0252 Lampanyctus sp.
0139 Lampanyctus alatus Goode + Bean 1896
0284 Lampanyctus ater Taning 1928
0144 Lampanyctus crocodilus (Risso 1810) - Jewel Lanternfish
0145 Lampanyctus festivus Taning 1928
0146 Lampanyctus macdonaldi (Goode + Bean 1896)
0147 Lampanyctus pusillus (Johnson 1890)
0778 Lampris regius (Bonaterre 1788) - Opah
0275 Large Sharks Unspecified
0763 Lasiognathus beebei Regan + Trewavas 1932
0270 Leiostomus xanthurus Lacepede 1802 - Spot Croaker
0108 Lepidion eques (Gunther 1887)
0027 Lepidocybium flavobrunneum (Smith 1849) - Escolar
0228 Lepidophanes guentheri (Goode + Bean 1896)
0250 Lepisosteus osseus (Linnaeus 1758) - Longnose Gar
0650 Lepophidium cervinum (Goode + Bean 1885) - Fawn Cusk Eel
0764 Leptacanthichthys gracilispinis (Regan 1925)
0688 Lestidiops javanari (Boulenger 1889)
0042 Limanda ferruginea (Storer 1839) - Yellowtail Flounder
0406 Linophryne algibarbata Waterman 1939
0407 Linophryne coronata Parr 1927
0408 Linophryne lucifer Collett 1886
0140 Liopsetta putnami (Gill 1864) - Smooth Flounder
0500 Liparis sp. - Unidentified Seasnail
0503 Liparis atlanticus (Jordan + Evermann 1898) - Atlantic Seasnail
0513 Liparis coheni Able 1976 - Gulf Seasnail
0512 Liparis gibbus Gilbert 1895 - Seasnail
0508 Liparis inquilinus Able 1973 - Inquiline Seasnail
0505 Liparis koefoedi Parr 1932 - Gelatinous Seasnail
0504 Liparis liparis (Linnaeus 1766) - Striped Seasnail
0506 Liparis tunicatus Reinhardt 1836 - Greenland Snail
0615 Lipogenys gillii Goode + Bean 1896 - Backfin Tapirfish
0178 Loplanchia gemellarii (Cocco 1838)

0758 Lobianchia dofleini (Zugmayer 1911) - Doflein's Lanternfish
0400 Lophius americanus Valenciennes 1873 - Monkfish
0765 Lophodolus acanthognathus Regan 1925
0025 Lopholatilus chamaeleonticeps Goode + Bean 1879 - Tilefish
0632 Lumpenus medius (Reinhardt 1838) - Stout Eelblenny
0631 Lumpenus fabricii (Valenciennes 1836) - Slender Eelblenny
0622 Lumpenus lumpretaeformis (Walbaum 1792) - Snakeblenny
0623 Lumpenus maculatus (Fries 1837) - Daubed Shanny
0098 Lutjanus sp.
0617 Lycenchelys paxillus (Goode + Bean 1879) - Common Wolf Eel
0618 Lycenchelys sarsi (Collett 1871) - Sar's Wolf Eel
0603 Lycenchelys verrilli (Goode + Bean 1877) - Wolf Eelpout
0619 Lycodes atlanticus Jensen 1902 - Atlantic Eelpout
0642 Lycodes sp.- Eelpout
0643 Lycodes esmarki Collett 1875 - Esmark's Eelpout
0620 Lycodes lavalaei Vladykov + Tremblay 1936 - Newfoundland Eelpout
0627 Lycodes pallidus Collett 1879 - Pale Eelpout
0641 Lycodes reticulatus Reinhardt 1838 - Arctic Eelpout
0628 Lycodes turneri Bean 1878 - Polar Eelpout
0647 Lycodes vahlii Reinhardt 1838 - Vahl's Eelpout
0411 Macrourus berglax Lacepede 1802 - Roughhead Grenadier
0640 Macrozoarces americanus (Bloch + Schneider 1801) - Ocean Pout
0032 Makaira albida (Poey 1860) - White Marlin
0033 Makaira nigricans Lacepede 1803 - Blue Marlin
0409 Malacocephalus occidentalis Goode + Bean 1885 - American Straptail Grenadier
0177 Malacosteus niger Ayres 1848 - Loosejaw
0064 Mallotus villosus (Muller 1777) - Capelin
0225 Manta birostris (Walbaum 1792) - Atlantic Manta
0158 Maurolicus muelleri (Gmelin 1788) - Muller's Pearlsides
0167 Megalops atlantica Valenciennes 1847 - Tarpon
0686 Melamphaes sp.
0798 Melamphaes microps (Gunther 1878)
0760 Melanocetus johnsoni Gunther 1864
0011 Melanogrammus aeglefinus (Linnaeus 1758) - Haddock
0646 Melanostigma atlanticum Koefoed 1952 - Atlantic Softpout
0718 Melanostomias spilorhynchus Regan + Trewavas 1930 - Bluenose Dragonfish
0770 Menidia menidia (Linnaeus 1766) - Atlantic Silversides
0007 Menticirrhus saxatilis (Bloch + Schneider 1801) - Northern Kingfish
0726 Mentodus rostratus (Gunther 1878)
0035 Merluccius sp.- Hake
0019 Merluccius albidus (Mitchill 1818) - Offshore Hake
0014 Merluccius bilinearis (Mitchill 1814) - Silver Hake
0017 Microgadus tomcod (Walbaum 1792) - Atlantic Tomcod
0766 Microlophichthys microlophus (Regan 1925)
0117 Micromesistius poutassou (Risso 1826) - Blue Whiting
0258 Micropogonias undulatus (Linnaeus 1766) - Atlantic Croaker
0730 Mola mola (Linnaeus 1758) - Ocean Sunfish
0056 Molva byrkelange (Walbaum 1792) - Blue Ling
0055 Molva molva (Linnaeus 1758) - European Ling
0005 Monacanthus ciliatus (Mitchill 1818) - Fringed Filefish
0324 Monolene antillarum Norman 1933
0385 Monolene sessilicauda Goode 1880
0471 Moringua edwardsi (Jordan + Bollman 1889)
0120 Morone americana (Gmelin 1788) - White Perch
0024 Morone saxatilis (Walbaum 1792) - Striped Bass
0048 Mugil cephalus Linnaeus 1758 - Striped Mullet
0047 Mugil curema Cuvier + Valenciennes 1836 - White Mullet
0105 Mullus auratus Jordan + Gilbert 1882 - Red Goatfish
0222 Mustelus canis (Mitchill 1815) - Smooth Dogfish
0370 Myctophum sp.
0179 Myctophum affine (Lutken 1892) - Mettallic Lanternfish
0327 Myctophum asperum Richardson 1845
0180 Myctophum punctatum Rafinesque 1810 - Spotted Lanterfish
0310 Myoxocephalus sp. - Unidentified Sculpin
0303 Myoxocephalus aeneus (Mitchill 1815) - Grubby
0300 Myoxocephalus octodecemspinosus (Mitchill 1815) - Longhorn Sculpin
0315 Myoxocephalus quadricornis (Linnaeus 1758) - Fourhorn Sculpin
0301 Myoxocephalus scorpius (Linnaeus 1758) - Shorthorn Sculpin
0316 Myoxocephalus scorpioides (Fabricus 1780) - Arctic Sculpin
0448 Myrophis platyrhynchus (Breder xxxx)
0449 Myrophis punctatus (Lutken 1851) - Speckled Worm Eel
0241 Myxine glutinosa Linnaeus 1758 - Atlantic Hagfish

0162 Nansenia groenlandica (Reinhardt 1839) - Large-eyed Argentine
0285 Naucrates sp.
0088 Naucrates ductor (Linnaeus 1758) - Pilotfish
0028 Nealotus tripes Johnson 1865
0464 Nemichthys sp.
0604 Nemichthys scolopaceus Richardson 1848 - Slender Snipe Eel
0472 Neoconger mucronatus Girard 1859 - Slender Pike Eel
0607 Nessorhamphus ingolfianus (Schmidt 1930) - Duckbill Oceanic Eel
0476 Nettastoma sp.
0410 Nezumia bairdi (Goode + Bean 1877) - Marlin Spike
0788 Nomeus gronovii (Gmelin 1788) - Man-of-War Fish
0740 Notacanthus chemnitzi Bloch 1788 - Spiny Eel
0712 Notolepis rissoi kroyeri (Lutken 1892) - White Barracudina
0727 Notolepis rissoi (Bonaparte 1841) - White Barracudina
0181 Notolychnus valdiviae (Brauer 1904)
0227 Notoscopelus sp.
0287 Notoscopelus bolini Nafpaktitis 1975
0182 Notoscopelus kroyeri (Malm 1863) - Kroyer's Lanternfish
0183 Notoscopelus resplendens (Richardson 1845)
0433 Nystactichthys sp.
0215 Odontaspis taurus Muller + Henle 1841 - Sand Tiger
0719 Odontostomias sp.
0729 Omosudis lowei Gunther 1887
0068 Oncorhynchus gorbuscha (Walbaum 1792) - Pink Salmon
0768 Oneirodes sp.
0767 Oneirodes eschrichtii Lutken 1871
0452 Ophichthus ocellatus (LeSueur 1825) - Pale Spotted Eel
0609 Ophichthys cruentifer (Goode + Bean 1896) - Snake Eel
0450 Ophichtus sp.
0451 Ophichtus gomesi (Castelnau 1855) - Shrimp Eel
0654 Ophidion selenops Robins + Bohlke 1959 - Mooneye Cusk Eel
0260 Opisthonema oglinum (LeSueur 1817) - Atlantic Thread Herring
0510 Opsanus tau (Linnaeus 1766) - Toadfish
0266 Orthopristis chrysoptera (Linnaeus 1766) - Pigfish
0063 Osmerus mordax (Mitchill 1815) - American Smelt
0080 Others - OBSOLETE
0268 Pagrus pagrus Linne 1758 - Red Porgy
0434 Paraconger sp.
0711 Paralepis atlantica Kroyer 1868 - Short Barracudina
0728 Paralepis atlantica atlantica Kroyer 1891
0674 Paralepis coregonoides Risso 1820
0141 Paralichthys dentatus (Linnaeus 1766) - Summer Flounder
0142 Paralichthys oblongus (Mitchill 1815) - Fourspot Flounder
0511 Paraliparis copei Goode + Bean 1896 - Blacksnout Seasnail
0149 Parasudis truculentus (Goode + Bean 1895) - Longnose Greeneye
0486 Paraxenomystax sp.
0256 Pelagic Fish (Non-specified)
0701 Peprilus triacanthus (Peck 1804) - Butterfish
0331 Peristedion miniatum Goode 1880 - Armored Searobin
0240 Petromyzon marinus Linnaeus 1758 - Sea Lamprey
0633 Pholis fasciata (Bloch + Schneider 1801) - Banded Gunnel
0621 Pholis gunnellus (Linnaeus 1758) - Rock Gunnel
0757 Physiculus fulvus Bean 1884 - Little Morid
0104 Pogonias cromis (Linnaeus 1766) - Black Drum
0016 Pollachius virens (Linnaeus 1758) - Pollock
0752 Pollichthys mauli Grey 1959 - Maul's Anglemouth
0739 Polyacanthonotus rissoanus (deFilippi + Verany 1859) - Shortspine
0708 Polyipnus asteroides Schultz 1938
0771 Polymixia lowei Gunther 1859 - Beardfish
0744 Polymixia nobilis Lowe 1838 - Stout Beardfish
0699 Polyprion americanus (Bloch + Schneider 1801) - Atlantic Wreckfish
0081 Pomatomus saltatrix (Linnaeus 1758) - Bluefish
0751 Pontinus rathbuni Goode + Bean 1896 - Highfin Scorpionfish
0672 Pontius sp.
0799 Poromitra capito Goode + Bean 1882
0800 Poromitra crassiceps (Gunther 1878)
0797 Poromitra megalops (Lutken 1877)
0079 Priacanthus cruentatus (Lacepede 1800) - Glasseye snapper
0231 Prionace glauca (Linnaeus 1758) - Blue Shark
0330 Prionotus carolinus (Linnaeus 1771) - Northern Searobin
0332 Prionotus evolans (Linnaeus 1766) - Striped Searobin
0226 Protomyctophum arcticum (Lutken 1892)

0789 Psenes maculatus Lutken 1880 - Silver Driftfish
0322 Pseudopallida sp.
0435 Pseudophichthys splendens (Lea xxxx)
0043 Pseudopleuronectes americanus (Walbaum 1792) - Winter Flounder
0038 Pseudoscopelus sp.- Swallowers
0362 Pungitius pungitius (Linnaeus 1758) - Ninespine Stickleback
0803 Rachycentron canadum (Linnaeus 1766) - Cobia
0212 Raja bathyphila Holt + Byrne 1908 - Abyssal Skate
0206 Raja eglanteria Bosc 1802 - Brier Skate
0203 Raja erinacea Mitchill 1825 - Little Skate
0207 Raja fyllae Lutken 1887 - Round Skate
0210 Raja hyperborea Collett 1878 - Arctic Skate
0209 Raja jenseni Bigelow + Schroeder 1950 - Jensen's Skate
0200 Raja laevis Mitchill 1817 - Barndoor Skate
0217 Raja lintea Fries 1838 - White Skate
0208 Raja mollis Bigelow + Schroeder 1950 - Soft Skate
0204 Raja ocellata Mitchill 1815 - Winter Skate
0201 Raja radiata Donovan 1807 - Thorny Skate
0202 Raja senta Garman 1885 - Smooth Skate
0205 Raja spinicauda Jensen 1914 - Spiny-tail Skate
0031 Reinhardtius hippoglossoides (Walbaum 1792) - Greenland Halibut
0083 Remora brachyptera (Lowe 1839) - Spearfish Remora
0084 Remora remora (Linnaeus 1758) - Remora
0436 Rhechias sp.
0248 Rhinochimaera atlantica Holte + Byrne 1909 - Knifenose Chimaera
0235 Rhizoprionodon terranovae (Richardson 1836) - Atlantic Sharpnose
0029 Ruvettus pretiosus Cocco 1829 - Oilfish
0273 Salmo sp.- Trout non-specified
0069 Salmo gairdneri Richardson 1836 - Rainbow Trout
0065 Salmo salar Linnaeus 1758 - Atlantic Salmon
0075 Salmo trutta Linnaeus 1758 - Brown Trout
0076 Salvelinus alpinus (Linnaeus 1758) - Arctic Char
0077 Salvelinus fontinalis (Mitchill 1815) - Brook Trout
0188 Sarda sarda (Block 1793) - Atlantic Bonito
0807 Saurida normani Longley 1935 - Shortjaw Lizardfish
0786 Schedophilus medusophagus Cocco 1839 - Cornish Blackfish
0267 Sciaenops ocellata (Linnaeus 1766) - Red Drum
0720 Scomberesox saurus (Walbaum 1792) - Atlantic Saury
0189 Scomberomorus cavalla (Cuvier + Valenciennes 1831) - King Mackerel
0171 Scomberomorus maculatus (Mitchill 1815) - Spanish Mackerel
0170 Scomber japonicus Houttuyn 1782 - Chub Mackerel
0070 Scomber scombrus Linnaeus 1758 - Atlantic Mackerel
0681 Scopelarchus analis (Brauer 1902)
0796 Scopeloberyx opisthopterus (Parr 1933)
0795 Scopelogadus beanii (Gunther 1887) - Bean's Bluejack
0850 Scopelosaurus mauli Bertelsen, Krefft + Marshall 1976
0143 Scophthalmus aquosus (Mitchill 1815) - Windowpane
0278 Scorpaena sp.
0026 Scorpaena calcarata Goode + Bean 1882 - Rockfish
0283 Sebastes fasciatus Storer 1856 - Labrador Redfish
0020 Sebastes marinus (Linnaeus 1758) - Redfish/Ocean Perch
0022 Sebastes marinus doubtful - Redfish - OBSOLETE
0021 Sebastes mentella Travin 1951 - Deepwater Redfish
0023 Sebastes sp. - Unseparated Redfish
0089 Selar crumenophthalmus (Bloch 1793) - Bigeye Scad
0091 Selene vomer (Linnaeus 1758) - Atlantic Lookdown
0257 Seriola sp.
0092 Seriola dumerili (Risso 1810) - Greater Amberjack
0074 Seriola zonata (Mitchill 1815) - Banded Rudderfish
0656 Serrivomer sp.
0613 Serrivomer beani Gill + Ryder 1883 - Stout Sawpalate
0638 Serrivomer brevidentatus Roule + Bertin 1929
0601 Simenchelys parasiticus Gill 1879 - Snubnose Eel
0237 Somniosus microcephalus (Bloch + Schneider 1801) - Greenland Shark
0746 Sphoeroides maculatus (Bloch + Schneider 1801) - Northern Puffer
0046 Sphyraena borealis DeKay 1842 - Northern Sennet
0236 Sphyrna zygaena (Linnaeus 1758) - Smooth Hammerhead
0220 Squalus acanthias Linnaeus 1758 - Spiny Dogfish
0102 Stenotomus chrysops (Linnaeus 1766) - Scup
0006 Stephanolepis hispidus (Linnaeus 1766) - Planehead Filefish
0709 Sternoptyx diaphana Hermann 1781 - Transparent Hatchetfish
0624 Stichaeus punctatus (Fabricius 1780) - Arctic Shanny

0756 Stomias sp.- Dragonfish Unidentified
0159 Stomias boa ferox Reinhardt 1842 - Boa Dragonfish
0259 Strongylura marina (Walbaum 1792) - Atlantic Needlefish
0691 Sudis hyalina Rafinesque 1810
0297 Svetovidovia sp.
0198 Syacium sp.
0282 Syacium micrurum Ranzani 1840 - Channel Flounder
0279 Symbolophorus sp.
0184 Symbolophorus veranyi (Moreau 1888) - Largescale Lanternfish
0805 Sympnurus sp.
0693 Sympnurus minor Ginsberg 1951 - Largescale Tonguefish
0816 Sympnurus pterospilotus Ginsburg 1951 - Tonguefish
0673 Synagrops spinosa Schultz 1940
0602 Synaphobranchus kaupi Johnston 1862 - Gray's Cutthroat Eel
0759 Syngnathus sp.- Pipefish Unidentified
0675 Syngnathus dunckeri Metzelaar 1919 - Pugnose Pipefish
0702 Syngnathus fuscus Storer 1839 - Northern Pipefish
0703 Syngnathus pelagicus Linnaeus 1766 - Pelagic Pipefish
0676 Syngnathus springeri Herald 1942 - Bull Pipefish
0812 Synodus sp.
0808 Synodus synodus (Linnaeus 1758) - Red Lizardfish
0185 Taaningichthys bathyphilus (Taning 1928)
0186 Taaningichthys minimus (Taning 1928)
0096 Taractes longipinnis (Lowe 1843) - Bigscale Pomfret
0053 Tautoga onitis (Linnaeus 1758) - Tautog
0122 Tautogolabrus adspersus (Walbaum 1792) - Cunner
0790 Tetragonurus atlanticus Lowe 1843 - Bigeye Squaretail
0791 Tetragonurus cuvieri Risso 1810 - Smalleye Squaretail
0321 Thunnus sp.
0190 Thunnus alalunga (Bonnaterre 1788) - Albacore
0191 Thunnus albacares (Bonnaterre 1788) - Yellowfin Tuna
0192 Thunnus obesus (Lowe 1839) - Bigeye Tuna
0071 Thunnus thynnus (Linnaeus 1758) - Bluefin Tuna
0491 Tilurops sp.
0216 Torpedo nobiliana Bonaparte 1835 - Atlantic torpedo
0801 Trachinocephalus myops (Forster 1801) - Snakefish
0261 Trachinotus carolinus (Linnaeus 1766) - Common Pompano
0269 Trachurus lathami Nichols 1920
0093 Trachurus trachurus (Linne 1758)
0412 Trachyrhynchus murrayi Gunther 1887 - Roughnose Grenadier
0277 Trichopsetta sp.
0333 Trichopsetta orbisulcus Anderson + Gutherz 1967
0309 Triglops sp. - Unidentified Sculpin
0304 Triglops murrayi Gunther 1888 - Mailed Sculpin
0305 Triglops nybelini Jensen 1944 - Nybelin's Sculpin
0317 Triglops pingeli Reinhardt 1832 - Ribbed Sculpin
0721 Trigonolampa miriceps Regan + Trewavas 1930 - Threelight Dragonfish
0625 Ulvaria subbifurcata (Storer 1839) - Radiated Shanny
0090 Unidentified Fish (Larvae, Juvenile, and Adults)
0437 Uroconger sp.
0438 Uroconger syringinus Ginsberg xxxx
0193 Urophycis sp.- Hake
0112 Urophycis chesteri Goode + Bean 1878 - Longfin Hake
0013 Urophycis chuss (Walbaum 1792) - Red Hake
0111 Urophycis regius (Walbaum 1792) - Spotted Hake
0012 Urophycis tenuis (Mitchill 1815) - White Hake
0679 Valenciennellus tripunctulatus (Esmarck 1871)
0671 Vinciguerria attenuata (Cocco 1878) - Veiled Anglemouth
0684 Vinciguerria nimbaria (Jordan + Williams 1895)
0667 Vinciguerria poweriae (Cocco 1838)
0094 Vomer setapinnis (Mitchill 1815) - Atlantic Moonfish
0725 Xenodermichthys copei (Vaillant 1888)- Atlantic Gymnast
0777 Xenolepidichthys americanus Nichols + Firth 1939 - Grammicolepid
0072 Xiphias gladius Linnaeus 1758 - Swordfish
0704 Zenopsis ocellata (Storer 1858)- American John Dory

## APPENDIX C

### ALPHABETICAL LISTING OF INVERTEBRATE SPECIES BY SCIENTIFIC NAME

| | |
|---|---|
| | Abralia redfieldi Voss 1955 |
| | Abralia veranyi (Ruppell 1844) |
| | Abraliopsis sp. |
| | Abraliopsis pfefferi Joubin 1896 |
| | Abothrium gadi van Beneden 1871 |
| 2923 | Acartia longiremis (Lilljeborg 1853) |
| 8319 | Actinauge verrillii McMurrich 1893 |
| 2981 | Aega psora (Linnaeus 1761) |
| 2873 | Aeginella longicornis (Kroyer 1842) |
| 4420 | Aeolidia sp. - Plumed Sea Slug |
| 2942 | Aetideus armatus (Boeck 1872) |
| 8411 | Aglantha digitale (Muller 1776) |
| | Alloposus mollis Verrill 1880 |
| 4711 | Amicula vestita (Broderip + Sowerby 1829) - Concealed Arctic Chiton |
| 2857 | Ampelisca agassizi (Judd 1896) |
| 1828 | Amphioxus sp. - Sand Blister *16 |
| 3148 | Amphitrite sp. |
| | Ancistrocheirus sp. |
| 7116 | Anisakis sp. |
| | Anisakis simplex (Rudolphe 1809) |
| 2833 | Anonyx sp. |
| 2896 | Anurida maritima (Guerin xxxx) |
| 3212 | Aphrodita sp. |
| 3211 | Aphrodita aculeata Linnaeus 1761 - OBSOLETE |
| 3200 | Aphrodita hastata Moore 1905 - Sea Mouse |
| 4230 | Aporrhais sp. - Duck or Pelican Foot |
| 6420 | Arabacia sp. |
| 6421 | Arabacia punctulata (Lamarck 1816) |
| 3116 | Arabella iricolor Montagu 1804 |
| | Architeuthis dux Steenstrup 1857 |
| 4304 | Arctica islandica (Linne 1767) - Ocean Quahog |
| 3161 | Arenicola marina (Linnaeus 1758) |
| 2410 | Argis sp. |
| 2411 | Argis dentata(Rathbun 1902) |
| 4531 | Argonauta argo Linnaeus 1758 |
| 4325 | Argopecten gibbus (Linne 1758) - Calico Scallop |
| 4324 | Argopecten irradians (Lamarck 1819) - Bay Scallop |
| | Ascarophis sp. |
| | Ascarophis filiformis Polyansky 1952 |
| | Ascarophis arctica Polyansky 1952 |
| 1821 | Ascidea sp. - Sea Squirt |
| 1820 | Ascidea sp. Adult |
| 1825 | Ascidea sp. Larvae |
| 4316 | Astarte sp. |
| 4307 | Astarte undata Gould 1841 - Waved Astarte |
| 6110 | Asterias sp. |
| 6111 | Asterias vulgaris Verrill 1866 - Purple Starfish |
| 6135 | Astropecten duplicatus xxxx |
| | Aurelia sp. |
| 2541 | Axius serratus Stimpson 1852 |
| 4524 | Bathypolypus arcticus (Prosch 1849) |
| | Bathypolypus articus (Prosch 1849) |
| | Bathyteuthis abyssicola Hoyle 1885 |
| | Benthoctopus piscatorum (Verrill 1879) |
| 8111 | Beroe cucumis Fabricius 1780 |
| 8317 | Bolocera sp. |
| 1823 | Boltenia sp. |
| 2988 | Bopyroides hippolytes (Kroyer 1838) |
| 2735 | Boreomysis tridens G. O. Sars 1870 |
| | Bothriocephalus sp. |
| | Brachioteuthis beani Verrill 1885 |
| | Brachioteuthis riisei (Steenstrup 1882) |
| | Brachyphallus crenatus (Rudolphi 1802) |
| 3172 | Brada sp. |
| 6413 | Brisaster fragilis (Duben + Koren 1844) - Heart Urchin |
| 4210 | Buccinum sp. - Whelks |

4212 Buccinum scalariforme Moller 1842
4211 Buccinum undatum Linne 1758 - Wave Whelks
2910 Calanus sp.
2911 Calanus finmarchius (Gunner 1765)
2912 Calanus hyperboreus Kroyer 1838
Caligus curtis O. F. Muller 1785
2512 Callinectes sapidus Rathbun 1896 - Blue Crab
Calocalanus sp.
2567 Calocaris macandreae Bell 1853
2524 Cancer sp.
2511 Cancer borealis Stimpson 1859 - Jonah Crab
2513 Cancer irroratus Say 1817 - Atlantic Rock Crab
2913 Candacia sp.
2915 Candacia armata (Boeck 1872)
Capillaria sp.
2871 Caprella linearis (Linnaeus 1767)
2872 Caprella septentrionalis Kroyer 1838
2531 Carcinus maenas (Linnaeus 1758) - Green Crab
4341 Cardium sp. - OBSOLETE *4
2318 Caridion gordoni (Bate 1858)
6717 Caudina arenata Gould 1841
2914 Centropages sp.
2916 Centropages bradyi Wheeler 1900
2935 Centropages typicus Kroyer 1902
4345 Cerastoderma pinnulatum (Conrad 1831) - Northern Dwarf Cockle
8320 Cerianthus borealis Verrill 1873
2821 Ceradocus torelli (Goes 1866)
4720 Chaetoderma sp.
2522 Chionoecetes sp. - Spider/Queen, Snow Crab - OBSOLETE
2526 Chionoecetes opilio (Fabricius 1780) - Snow/Queen Crab
6719 Chiridota laevis (Fabricius 1780)
2997 Chiridotea sp.
2984 Chiridotea tuftsi (Stimpson 1853)
Chiroteuthis sp.
Chiroteuthis lacertosa Verrill 1881
4322 Chlamys islandica (Muller 1776) - Iceland Scallop
2998 Cirolana polita (Stimpson 1853)
Cirrothauma mulleri Eschricht 1838
Cirrothauma murrayi Chun 1911
3144 Cistenia sp.
3142 Cistenia gouldii (Verrill 1873)
3149 Cistenia granulata (Linnaeus 1767)
2899 Clausocalanus sp.
2931 Clavella sp.
Clavella adunca (Strom 1762)
4342 Clinocardium ciliatum (Fabricius 1780) - Iceland Cockle
4611 Clione limacina (Phipps 1774) - Comman Clione
4228 Colus sp.- Spindle Shelll
7113 Contracaecum sp.
Corynosoma sp.
2500 Crabs, Lobsters, Hermits
Cranchia scabra Leach 1817
2416 Crangon sp.
2417 Crangon septemspinosa Say 1818
4326 Crassostrea virginica (Gmelin 1791) - American Cupped Oyster
5201 Crucibulum striatum Say 1824 - Cup and Saucer Limpet
Cryptocotyle lingua (Creplin 1825)
6115 Ctenodiscus crispatus (Retzius 1805) - Mud Star
Ctenopteryx sicula (Verany 1851)
Cucullanus cirratus O. F. Muller 1777
6611 Cucumaria frondosa (Gunnerus 1770)
4306 Cuspidaria glacialis (G. O. Sars 1878) - Glacier Dipper Shell
8511 Cyanea capillata (Linnaeus 1758) - Pink Jellyfish
4344 Cyclocardia borealis (Conrad 1831) - Heart Shell
4257 Cylichna alba (Brown 1827) - Brown's Barrel Bubble
4327 Cyrtodaria sp.
4312 Cyrtodaria siliqua (Spengler 1793)
1822 Dendrodoa sp.
4410 Dendronotus sp.- Bushy Backslug
Dentalium sp.
Derogenes varicus (O. F. Muller 1784)
2971 Diastylis sp.

2973 Diastylis polita (S. I. Smith 1879)
2972 Diastylis rathkei (Kroyer 1841)
2215 Dichelopandalus sp.
2214 Dichelopandalus leptoceras (Smith 1881)
3174 Diplocirrus hirsutus (Hansen 1879)
6131 Diplopteraster multipes (Sars 1865)
3108 Drilonereis magna Webster + Benedict 1887
6716 Duasmodactyla commune (Forbes xxxx)
2827 Dulichia sp.
8324 Duva multiflora xxxx - Sea Cauliflower
6511 Echinarachnius parma (Lamarck 1816)
6801 Echinocardium cordatum (Pennant xxxx)
Echinorhynchus sp.
Echinorhynchus vancleavi Golvan 1979
3311 Echiurus echiurus (Pallas 1766)
2989 Edotea triloba (Say 1818) - Brown Isopod
Egea inermis Joubin 1833
Eledonella pygmaea Verrill 1884
Enoploteuthis anapsis Roper 1964
Enoploteuthis leptura (Leach 1817)
4301 Ensis directus Conrad 1843 - Razor Shell Clam
4240 Epitonium sp.
8321 Epizoanthus incrustatus (Duben + Koren 1847)
2731 Erythrops erythrophalma (Goes 1863)
3112 Eteone sp.
3113 Eteone trilineata Webster + Benedict 1887
2330 Eualus sp.
2332 Eualus fabricii Kroyer 1841
2333 Eualus gaimardii (H. Milne Edwards 1837)
2331 Eualus macilentus (Kroyer 1842)
2317 Eualus pusiola (Kroyer 1841)
2921 Euchaeta norvegica Boeck 1902
2922 Euchirella sp.
2976 Eudorella emarginata (Kroyer 1846)
3109 Eunice pennata (Muller 1776)
2612 Euphausia sp.
2352 Evadne sp.
Fellodistomum furcigerum (Olsson 1867)
Galiteuthis armata Joubin 1889
2820 Gammarus sp.
2532 Geryon quinquedens Smith 1879 - Deep Sea Red Crab
3550 Glycera sp.
3551 Glycera capitata Oersted 1843
Gonatus fabricii (Lichtenstein 1818)
Gonatus steenstrupii Kristensen 1981
3121 Goniada sp.
3120 Goniada maculata Oersted 1843
Gonocera phycidus Manter 1925
6310 Gorgonocephalus sp.
Graneledone verrucosa (Verrill 1881)
Grilliotia erinaceus (van Beneden 1858)
Gyrodactylus sp.
8618 Halichona sp.
8621 Haliclona oculata (Linne 1759) - Eyed Finger Sponge
2875 Halirages fulvocinctus (Sars 1854)
1827 Halocynthia pyriformis (Verrill 1806) - Sea Peach
2856 Haploops laevis xxxx
2849 Harpinia propinqua Sars 1895
6711 Havelockia scabra Verrill 1873
Helicocranchia sp.
Hemirus levinseni Odhner 1905
6119 Henricia sanguinolenta (Muller 1776) - Blood Star
Heteroteuthis dispar (Ruppell 1845)
4319 Hiatella arctica (Linne 1767) - Soft-Shell/Long Neck Clam
6117 Hippasteria phrygiana (Parelius 1770)
2309 Hippolyte zostericola (Smith 1873)
2838 Hippomedon sp.
2835 Hippomedon denterulatus xxxxx
2836 Hippomedon propinquus G. O. Sars 1890
2829 Hippomedon serratus Holmes 1903
Histioteuthis bonnellii (Ferussac 1835)
Histioteuthis celetaria celetaria (Voss 1960)

| | |
|---|---|
| | Histioteuthis corona corona (Voss + Voss 1962) |
| | Histioteuthis dofleini (Pfeffer 1912) |
| | Histioteuthis elongata (Voss + Voss 1962) |
| | Histioteuthis reversa (Verrill 1880) |
| 2550 | Homarus americanus H. Milne Edwards 1837 - Lobster |
| 2551 | Homarus americanus Larvae |
| 8316 | Hormathia sp. |
| 8622 | Hormathia tuberculosa xxxx |
| | Hyaloteuthis pelagica (Bosc 1802) |
| 2520 | Hyas sp. |
| 2527 | Hyas araneus (Linnaeus 1758) |
| 2521 | Hyas coarctatus Leach 1815 |
| 2810 | Hyperia sp. |
| 2903 | Hyperia galba (Montagu 1813) |
| 2996 | Idotea sp. |
| 2982 | Idotea baltbica (Pallas 1772) |
| 2983 | Idotea phosporea (Harger 1873) |
| 4511 | Illex illecebrosus (LeSueur 1821) - Short-finned Squid |
| 4232 | Ilyanassa obsoleta (Say 1882) - Mud Snail |
| 2994 | Jaera marina (Fabricius 1780) |
| | Japetella diaphana Hoyle 1885 |
| | Lampadioteuthis megaleia Berry 1916 |
| | Leachia sp. |
| | Leachia atlantica (Degner 1925) |
| 2320 | Lebbeus sp. |
| 2319 | Lebbeus groenlandicus (Fabricus 1775) |
| 2312 | Lebbeus polaris (Sabine 1821) |
| 2321 | Lebbeus zebra (Leim 1921) |
| | Lecithaster gibbosus (Rudolphi 1802) |
| | Lepidapedon elongatum (Lebbour 1908) |
| | Lepidapedon rachion (Cobbold 1858) |
| 3501 | Lepidonotus squamatus (Linne 1758) |
| 4714 | Lepidopleurus cancellatus (Sowerby 1839) - Arctic Cancellate Chiton |
| 6132 | Leptasterias mulleri (M. Sars xxxx) - Muller's Starfish |
| 6113 | Leptasterias polaris (Muller + Troschel 1842) |
| 6134 | Leptasterias tenera (Stimpson 1862) - Slender-Armed Sea Star |
| 2822 | Leptocheirus pinguis (Stimpson 1853) - Purple Amphi |
| 2974 | Leptocuma minor Calman 1912 |
| 2929 | Lernaeocera branchialis (Linnaeus 1767) |
| 2975 | Leucon nasicoides Lilljeborg 1855 |
| 2605 | Limacina sp. |
| 4621 | Limacina helicina (Phipps 1774) - Helicid Pteropod |
| 2514 | Limulus polyphemus (Linnaeus xxxx) - American Horse Shoe Crab |
| | Liocranchia reinhardti (Steenstrup 1856) |
| 2525 | Lithodes and Neolithodes sp. - Spiny Crab |
| 2523 | Lithodes maia (Linnaeus 1758) - Northern Stone Crab |
| 4512 | Loligo pealei LeSueur 1821 - Long Finned Squid |
| 3103 | Lumbrineris sp. |
| 4221 | Lunatia heros (Say 1822) - Moonshell |
| 4258 | Lunatia triseriata (Say 1826) - Spotted Northern Moonshell |
| 4313 | Macoma sp. |
| 2825 | Maera loveni (Bruzelius 1859) |
| 4223 | Margarites cinera (Gould 1841) - OBSOLETE |
| 4224 | Margarites costalis (Gould 1841) |
| 4225 | Margarites groenlandicus (Gmelin 1791) |
| 4254 | Margarites helicinus (Phipps 1774) |
| | Mastigoteuthis agassizi Verrill 1881 |
| | Mastigoteuthis cordiformis Chun 1913 |
| | Mastigoteuthis hjorti Chun 1913 |
| | Megalocrannia sp. |
| 2611 | Meganyctiphanes norvegica (M. Sars 1857) |
| 2812 | Melita dentata (Kroyer 1842) |
| 4323 | Mercenaria mercenaria (Linne 1758) - Hard Clam |
| 2732 | Meterythrops robusta S. I. Smith 1879 |
| 2933 | Metridia sp. |
| 2925 | Metridia longa (Lubbock 1854) |
| 2924 | Metridia lucens Boeck 1902 |
| 8311 | Metridium senile Linnaeus 1767 |
| 2937 | Microcalanus pusillus Sars xxxx |
| 4332 | Modiolus modiolus (Linne 1758) - Horse Mussel |
| 1826 | Mogula manhattensis (DeKay 1843) - Sea Grapes |
| 6720 | Molpadia musculus Risso xxxx |
| 2881 | Monoculodes sp. |

Moroteuthis equatorialis Thiele 1921
2555 Munida iris H. Milne Edwards 1880
2566 Munidopsis curvirostra Whiteaves 1874
2986 Munnopsis typica M. Sars 1860
4334 Musculus niger (Gray 1824)
4318 Mya arenaria Linne 1758 - Soft Shell Clam
4309 Mya truncata Linne 1758
8615 Mycale sp.
2710 Mysis sp.
2713 Mysis gaspiensis Tattersall 1955
2712 Mysis mixta Lilljeborg xxxx
2711 Mysis stenolepis S. I. Smith 1873
4331 Mytilus edulis Linne 1758 - Common Mussels / Blue Mussel
4233 Nassarius trivittatus (Say 1822) - Dog Whelk
4222 Natica clausa Broderip + Sowerby 1829 - Little Moonshell
2961 Nebalia sp.
2960 Nebalia bipes (Fabricius 1780)
Nectonema agile xxxx
2528 Neolithodes grimaldi Milne-Edwards + Bouvier 1894 - Spiny Spider Crab
2734 Neomysis americanus (S. I. Smith 1873)
Neophasis sp.
Neopanope sayi (Smith 1869)
2866 Neopleustes pulchellus Kroyer
3104 Nephtys sp.
4227 Neptunea decemcostata (Say 1826) - New England Neptune
3130 Nereis sp.
3131 Nereis pelagica Linnaeus 1758
3125 Nicomache canadensis McIntosh 1913
Ninoe nigripes Verrill 1873
3166 Nothria conchylega (Sars 1835)
4231 Nucella lapillus (Linne 1758) - Atlantic Dog Winkle
4351 Nuculana sp.
4353 Nuculana buccata (Steenstrup 1842)
4352 Nuculana tenisulcata (Couthouy 1838) - Thin Nut Clam
4308 Nucula sp.
4361 Nucula tenuis Montagu 1808
2891 Nymphon longitarse Kroyer 1844
8421 Obelia sp.
Octopoteuthis sp.
Octopoteuthis megaptera Verrill 1885
Octopoteuthis sicula Ruppell 1884
Octopus defilippi Verany 1851
Ocythoe tuberculata Rafinesque 1814
1831 Oikopleura sp.
2920 Oithona sp.
2928 Oithona similis Claus 1913
2930 Oithona spinirostris Claus 1913
4513 Ommastrephes sp.
Ommastrephes bartrami (LeSueur 1821)
Ommastrephes pteropsus Steenstrup 1855
Onychoteuthis banksi (Leach 1817)
Onykia carriboea LeSueur 1821
3157 Opnelia acuminata Oersted 1843
3156 Opnelia limacina Rathke 1843
6211 Ophiopholis aculeata (Linnaeus 1788) - Daisy
6212 Ophiura sp.
6215 Ophiura robusta (Ayres 1851)
6213 Ophiura sarsi Lutken 1858
Oplstoteuthis agassizi Verrill 1883
2831 Orchomenella sp.
2834 Orchomonella pinguis (Boeck 1861)
Ornithoteuthis antillarum Adam 1957
Otodistomum sp.
2561 Pagurus sp.
2562 Pagurus acadianus Bendict 1901
2563 Pagurus kroyeri Stimpson 1859 - OBSOLETE
2558 Pagurus politus (Smith 1882)
2564 Pagurus pubescens Kroyer 1838
2245 Paleomonetes vulgaris (Say 1818)
2210 Pandalus sp.
2211 Pandalus borealis Kroyer 1838
2212 Pandalus montagui Leach 1813
2213 Pandalus propinquus G. O. Sars 1869

4305 Pandora gouldiana Dall 1886 89
2932 Paracalanus sp.
2934 Paracalanus parvus (Claus 1863)
2909 Paracalanus, Clausocalanus and Calocalanus sp.
8323 Paragorgia arborea (Linnaeus 1758)
2805 Paramphithoe hystrix Bruzelius 1858
2809 Parathemisto sp.
2904 Parathemisto compressa (Goes 1865)
2941 Parathemisto gaudichaudii (Guerin xxxx)
2907 Parathemisto oblivia (Kroyer 1838)
2884 Paroediceros longimanus (M. Sars 1858)
2882 Paroediceros lynceus (M. Sars 1858)
2883 Paroediceros propinquis (Goes 1866)
2221 Pasiphaea multidentata Esmarck 1866
2220 Pasiphaea tarda Kroyer 1845 - Shrimp
1824 Pelonaia sp.
8318 Pennatula borealis M. Sars 1856 - Sea Pens
6127 Pentagonaster tosia xxxx
3320 Phascolosoma sp.
3313 Phascolosoma gouldii (Pourtales 1851)
3173 Pherusa sp.
3171 Pherusa plumosa (Muller 1776)
4256 Philine sinuata Stimpson 1850 - Sinuate Paper Bubble
7110 Phocanema sp.
7111 Phocanema decipiens (Krabbe 1878)
Pholidoteuthis adami Voss 1956
2987 Phryxus abdominalis (Kroyer 1840)
Phyllobothrium loliginus (Leidy 1887)
3110 Phyllodoce sp.
3111 Phyllodoce groenlandica Oersted 1842
8210 Physalia pelagica Lamarck xxxx - Portuguese Man of War
4314 Pitar morrhuanus Linsley 1848 - Morrhua Venus
4321 Placopecten magellanicus (Gmelin 1791) - Giant Scallop
8113 Pleurobrachia sp.
2926 Pleuromamma sp.
2867 Pleustes panoplus (Kroyer 1838)
Podocotyle atomon (Rudolphi 1802)
Podocotyle reflexa (Creplin 1825)
2351 Podon sp.
8610 Polymastia sp.
6133 Pontaster sp.
2412 Pontophilus brevirostrus Smith 1881
6130 Poraniomorpha borealis xxxx
6129 Poraniomorpha hispida Sars xxxx
3147 Potamilla neglecta (Sars 1851)
3145 Praxillella sp.
3451 Priapulus caudatus Lamarck 1816
8322 Primnoa resedaeformis (Pallas 1766)
Prosorhynchus squamatus Odhner 1905
2917 Pseudocalanus sp.
2918 Pseudocalanus elongatus (Kroyer 1849)
2721 Pseudomma affine G. O. Sars 1870
2722 Pseudomma truncatum S. I. Smith 1879
6128 Psilaster archaster xxxx
6713 Psolus fabricii (Duben + Koren 1846) - Scarlett Psolus
6715 Psolus phantapus (Strussendelt 1765)
6125 Pteraster militaris (Muller 1776)
Pterygioteuthis gemmata Chun 1908
Pterygioteuthis giardi Fischer 1895
5102 Pycnogonum littorale (Strom 1762)
Pyroteuthis margaritifera (Ruppell 1844)
2846 Rachotropis sp.
2848 Rachotropis aculeata Lepectin 1778
2847 Rachotropis inflata (G. O. Sars 1882)
2824 Red Isopod - OBSOLETE *7
3141 Rhodine sp.
1931 Rhynchonella sp.
4523 Rossia hyatti - OBSOLETE
4526 Rossia megaptera Verrill 1881
4525 Rossia palpebrosa Owen 1835
2861 Rozinante fragilis (Goes 1866)
3140 Sabella sp.
2420 Sabinea sp.
2421 Sabinea septemcarinata (Sabine 1824)
5012 Sagitta sp.

5011 Sagitta elegans Verrill 1873
4431 Scaphander punctostriatus Mighels 1841 - Giant Canoe Bubble
2413 Sclerocrangon sp.
2414 Sclerocrangon boreas (Phipps 1774)
Scolex pleuronectis O. F. Muller 1788
3167 Scoloplos sp.
Selenoteuthis scintillans Voss 1958
4522 Semirossia tenera (Verrill 1880)
4343 Serripes groenlandicus (Bruguiere 1789) - Greenland Cockle
8405 Sertularia sp.
4315 Siliqua sp. - Razor Clam
3700 Sipunculus sp.
4251 Skeneopsis sp. - Skenes
2401 Snapping Shrimp - OBSOLETE
6121 Solaster endeca (Linne 1771) - Purple Sunstar
6123 Solaster papposus (Linnaeus 1780) - Sunstar
4346 Solemya borealis Totten 1834 - Boreal Awning Clam
2927 Sphyrion lumpi (Kroyer 1863)
2310 Spirontocaris sp.
2311 Spirontocaris fabricii - OBSOLETE
2313 Spirontocaris liljeborgii (Danielssen 1859)
2314 Spirontocaris macilenta - OBSOLETE
2315 Spirontocaris phippsii (Kroyer 1841)
2316 Spirontocaris spina (Sowerby 1805)
Spirula spirula (Linnaeus 1758) - Common spirula *note: shell only
4355 Spisula polynyma (Stimpson 1860) - Stimpson's Surf Clam
4317 Spisula solidissima (Dillwyn 1817) - Bar/Surf Clam
Stauroteuthis syrtensis Verrill 1879
Steganoderma formosum Stafford 1904
6217 Stegophiura nodosa (Lutken 1858).
Stenakron vetustum Stafford 1904
Stephanostomum baccatum (Nicoll 1907)
6712 Stereoderma unisemita (Stimpson 1851)
3165 Sternapsis scutata (Renier 1807)
3105 Sternaspis sp.
2733 Stilomysis grandis (Goes 1863)
Stoloteuthis leucoptera Verrill 1881
8313 Stomphia coccinea Muller 1776
4335 Strombus + Busycon sp.
6400 Strongylocentrotus sp.- Sea Urchinss
6411 Strongylocentrotus droebachiensis (Muller 1776)
6412 Strongylocentrotus echinoides xxxx
2985 Synidotea nodulosa (Kroyer 1849)
2851 Syrrhoe sp.
Taonius pavo (LeSueur 1821)
8315 Tealia felina Muller 1776
4303 Tellina sp.
2919 Temora sp.
2936 Temora longicornis (Muller 1902)
Tentacularia coryphaenae Bosc 1802
1932 Terebratulina sp.
Tetronychoteuthis dussumieri (Orbigny 1839)
Teuthowenia megalops Prosch 1849
Thelidioteuthis alessandrini (Verany 1851)
3312 Themiste sp.
4302 Thyasira sp.
Thynnascaris aduncа (Rudolphi 1802)
5714 Thyonella sp.
2620 Thysannoessa sp.
2624 Thysannoessa acutifrons xxxx
2622 Thysannoessa inermis (Kroyer 1846)
2623 Thysannoessa longicaudata (Kroyer 1846)
2621 Thysannoessa raschii M. Sars 1863
2831 Tmetonyx sp.
4713 Tonicella rubra (Linne 1767) - Red Northern Chiton
Tremoctopus violaceous Delle Chiaje 1830
4229 Turritella sp.
Udonella caligorum Johnston 1835
2823 Unciola sp. - Red Amphi
Vampyroteuthis infernalis Chun 1903
4252 Velutina laevigata Linnaeus 1767 - Velvet Shell
4311 Venus mercenaria - Quahaug - OBSOLETE
4354 Yoldia sp.

## APPENDIX D

### NUMERICAL LISTING OF FISH SPECIES BY CODE NUMBER

0001 Alutera schoepfi (Walbaum 1792) - Orange Filefish
0002 Alutera scriptus (Osbeck 1757) - Scrawled Filefish
0003 Balistes capriscus Gmelin 1789 - Gray Triggerfish
0004 Balistes vetula Linnaeus 1758 - Queen Triggerfish
0005 Monacanthus ciliatus (Mitchill 1818) - Fringed Filefish
0006 Stephanolepis hispidus (Linnaeus 1766) - Planehead Filefish
0007 Menticirrhus saxatilis (Bloch + Schneider 1801) - Northern Kingfish
0008 Bothus sp. sp.
0009 Engraulis eurystole (Swain + Meek 1884) - Silver Anchovy
0010 Gadus morhua Linnaeus 1758 - Atlantic Cod
0011 Melanogrammus aeglefinus (Linnaeus 1758) - Haddock
0012 Urophycis tenuis (Mitchill 1815) - White Hake
0013 Urophycis chuss (Walbaum 1792) - Red Hake
0014 Merluccius bilinearis (Mitchill 1814) - Silver Hake
0015 Brosme brosme (Muller 1776) - Cusk
0016 Pollachius virens (Linnaeus 1758) - Pollock
0017 Microgadus tomcod (Walbaum 1792) - Atlantic Tomcod
0018 Hake Unidentified
0019 Merluccius albidus (Mitchill 1818) - Offshore Hake
0020 Sebastes marinus (Linnaeus 1758) - Redfish/Ocean Perch
0021 Sebastes mentella Travin 1951 - Deepwater Redfish
0022 Sebastes marinus doubtful - Redfish - OBSOLETE
0023 Sebastes sp. - Unseparated Redfish
0024 Morone saxatilis (Walbaum 1792) - Striped Bass
0025 Lopholatilus chamaeleonticeps Goode + Bean 1879 - Tilefish
0026 Scorpaena calcarata Goode + Bean 1882 - Rockfish
0027 Lepidocybium flavobrunneum (Smith 1849) - Escolar
0028 Nealotus tripes Johnson 1865
0029 Ruvettus pretiosus Cocco 1829 - Oilfish
0030 Hippoglossus hippoglossus (Linnaeus 1758) - Atlantic Halibut
0031 Reinhardtius hippoglossoides (Walbaum 1792) - Greenland Halibut
0032 Makaira albida (Poey 1860) - White Marlin
0033 Makaira nigricans Lacepede 1803 - Blue Marlin
0035 Merluccius sp. - Hake
0037 Echiodon dawsoni Williams + Shipp 1982 - Chain Pearlfish
0038 Pseudoscopelus sp. - Swallowers
0039 Chiasmodon niger Johnson 1863 - Black Swallower
0040 Hippoglossoides platessoides (Fabricius 1780) - American Plaice
0041 Glyptocephalus cynoglossus (Linnaeus 1758) - Witch Flounder
0042 Limanda ferruginea (Storer 1839) - Yellowtail Flounder
0043 Pseudopleuronectes americanus (Walbaum 1792) - Winter Flounder
0044 Citharichthys arctifrons Goode 1880 - Winter Flounder
0045 Bothus ocellatus (Agassiz 1821) - Eyed Flounder
0046 Sphyraena borealis DeKay 1842 - Northern Sennet
0047 Mugil curema Cuvier + Valenciennes 1836 - White Mullet
0048 Mugil cepnalus Linnaeus 1758 - Striped Mullet
0050 Anarhichas lupus Linnaeus 1758 - Atlantic Wolffish
0051 Anarhichas minor Olafsen 1774 - Spotted Wolffish
0052 Anarhichas denticulatus Kroyer 1884 - Northern Wolffish
0053 Tautoga onitis (Linnaeus 1758) - Tautog
0054 Abudefduf saxatilis (Linnaeus 1758) - Sergeant Major
0055 Molva molva (Linnaeus 1758) - European Ling
0056 Molva byrkelange (Walbaum 1792) - Blue Ling
0058 Anchoa hepsetus (Linnaeus 1758) - Striped Anchovy
0060 Clupea harengus harengus Linnaeus 1758 - Atlantic Herring
0061 Alosa sapidissima (Wilson 1811) - American Shad
0062 Alosa pseudoharengus (Wilson 1811) - Gaspereau, Alewife
0063 Osmerus mordax (Mitchill 1815) - American Smelt
0064 Mallotus villosus (Muller 1777) - Capelin
0065 Salmo salar Linnaeus 1758 - Atlantic Salmon
0066 Coregonus clupeaformis (Mitchill 1818) - Lake Whitefish
0067 Coregonus canadensis Scott 1967 - Atlantic Whitefish
0068 Oncorhynchus gorbuscha (Walbaum 1792) - Pink Salmon
0069 Salmo gairdneri Richardson 1836 - Rainbow Trout
0070 Scomber scombrus Linnaeus 1758 - Atlantic Mackerel

0071 Thunnus thynnus (Linnaeus 1758) - Bluefin Tuna
0072 Xiphias gladius Linnaeus 1758 - Swordfish
0074 Seriola zonata (Mitchill 1815) - Banded Rudderfish
0075 Salmo trutta Linnaeus 1758 - Brown Trout
0076 Salvelinus alpinus (Linnaeus 1758) - Arctic Char
0077 Salvelinus fontinalis (Mitchill 1815) - Brook Trout
0078 Cookeolus boops (Bloch + Schneider 1801) - Bulleye
0079 Priacanthus cruentatus (Lacepede 1800) - Glasseye snapper
0080 Others - OBSOLETE
0081 Pomatomus saltatrix (Linnaeus 1758) - Bluefish
0082 Echeneis naucrates Linnaeus 1758 - Sharksucker
0083 Remora brachyptera (Lowe 1839) - Spearfish Remora
0084 Remora remora (Linnaeus 1758) - Remora
0085 Caranx crysos (Mitchill 1815) - Blue Runner
0086 Caranx hippos (Linnaeus 1766) - Crevalle Jack
0087 Decapterus macarellus (Cuvier 1833) - Mackeral Scad
0088 Naucrates ductor (Linnaeus 1758) - Pilotfish
0089 Selar crumenophthalmus (Bloch 1793) - Bigeye Scad
0090 Unidentified Fish (Larvae, Juvenile, and Adults)
0091 Selene vomer (Linnaeus 1758) - Atlantic Lookdown
0092 Seriola dumerili (Risso 1810) - Greater Amberjack
0093 Trachurus trachurus (Linne 1758)
0094 Vomer setapinnis (Mitchill 1815) - Atlantic Moonfish
0095 Brama brama (Bonaterre 1788) - Atlantic Pomfret
0096 Taractes longipinnis (Lowe 1843) - Bigscale Pomfret
0097 Caristius groenlandicus (Jensen 1941) - Greenland Manefish
0098 Lutjanus sp.
0099 Archosargus probatocephalus (Walbaum 1792) - Sheepshead
0100 Finfishes (Non-specified)
0102 Stenotomus chrysops (Linnaeus 1766) - Scup
0103 Cynoscion regalis (Bloch + Schneider 1801) - Weakfish
0104 Pogonias cromis (Linnaeus 1766) - Black Drum
0105 Mullus auratus Jordan + Gilbert 1882 - Red Goatfish
0106 Kyphosus sectatrix (Linnaeus 1766) - Bermuda Chub
0107 Chaetodon ocellatus Bloch 1787 - Spotfin Butterflyfish
0108 Lepidion eques (Gunther 1887)
0109 Halargyreus johnsonii Gunther 1862 - Dainty Morax
0110 Boreogadus saida (Lepechin 1774) - Arctic Cod
0111 Urophycis regius (Walbaum 1792) - Spotted Hake
0112 Urophycis chesteri Goode + Bean 1878 - Longfin Hake
0113 Antimora rostrata Gunther 1878 - Blue Antimora/Hake
0114 Enchelyopus cimbrius (Linnaeus 1766) - Fourbeard Rockling
0115 Gaidropsarus ensis (Reinhardt 1838) - Threebeard Rockling
0116 Gaidropsarus argentatus (Reinhardt 1838) - Silver Rockling
0117 Micromesistius poutassou (Risso 1826) - Blue Whiting
0118 Gadus ogac Richardson 1836 - Greenland Cod
0119 Gaidropsarus sp. - Rockling Unidentified
0120 Morone americana (Gmelin 1788) - White Perch
0121 Centropristis striatus (Linnaeus 1758) - Sea Bass
0122 Tautogolabrus adspersus (Walbaum 1792) - Cunner
0123 Helicolenus dactylopterus (DelaRoche 1809) - Blackbelly Rockfish
0124 Centrobranchus nigro-ocellatus (Gunther 1873)
0125 Diaphus perspicillatus (Ogilby 1898)
0126 Diaphus elucens (Brauer 1904)
0127 Diaphus luetkeni (Brauer 1904)
0128 Diaphus mollis Taning 1928
0129 Diaphus rafinesquii (Cocco 1838)
0130 Diaphus termophilus Taning 1928
0131 Electrona rissoi (Cocco 1829)
0132 Gonichthys coccoi (Cocco 1829) - Cocco's Lanternfish
0133 Hierops artica - OBSOLETE (See 0226)
0134 Hygophum benoiti (Cocco 1838) - Benoit's Lanternfish
0135 Hygophum hygomi (Lutken 1892)
0136 Hygophum macrochir (Gunther 1864)
0137 Lampadena nitida Taning 1928
0138 Lampadena speculigera Goode + Bean 1896 - Mirror Lanternfish
0139 Lampanyctus alatus Goode + Bean 1896
0140 Liopsetta putnami (Gill 1864) - Smooth Flounder
0141 Paralichthys dentatus (Linnaeus 1766) - Summer Flounder
0142 Paralichthys oblongus (Mitchill 1815) - Fourspot Flounder
0143 Scopthalmus aquosus (Mitchill 1815) - Windowpane
0144 Lampanyctus crocodilus (Risso 1810) - Jewel Lanternfish

0145 Lampanyctus festivus Taning 1928
0146 Lampanyctus macdonaldi (Goode + Bean 1896)
0147 Lampanyctus pusillus (Johnson 1890)
0148 Bathypterois dubius Vaillant 1888 - Notch Feeler Fish
0149 Parasudis truculentus (Goode + Bean 1895) - Longnose Greeneye
0152 Diaphus dumerili (Bleeker 1856) - Lanternfish
0154 Cyclothone microdon (Gunther 1878) - Veiled Anglemoutn
0155 Gonostoma elongatum Gunther 1878 - Longtooth Anglemouth
0156 Chlorophthalmus agassizi Bonaparte 1840 - Shortnose Greeneye
0157 Benthosema glaciale (Reinhardt 1837) - Glacier Lanternfish
0158 Maurolicus muelleri (Gmelin 1788) - Muller's Pearlsides
0159 Stomias boa ferox Reinhardt 1842 - Boa Dragonfish
0160 Argentina silus Ascanius 1763 - Atlantic Argentine
0161 Argentina striata Goode + Bean 1896 - Striated Argentine
0162 Nansenia groenlandica (Reinhardt 1839) - Large-eyed Argentine
0163 Ceratoscopelus maderensis (Lowe 1839) - Horned Lanternfish
0164 Brevoortia tyrannus (Latrobe 1802) - Atlantic menhaden
0165 Alosa aestivalis (Mitchill 1815) - Blueback Herring
0166 Etrumeus teres Gunther 1868 - Round Herring
0167 Megalops atlantica Valenciennes 1847 - Tarpon
0168 Diaphus metopoclampus (Cocco 1829) - Headlightfish
0169 Chauliodus sloani Bloch + Schneider 1801 - Viperfish
0170 Scomber japonicus Houttuyn 1782 - Chub Mackerel
0171 Scomberomorus maculatus (Mitchill 1815) - Spanish Mackerel
0172 Euthynnus pelamis Jordan + Gilbert 1883 - Striped Bonito/Skipjack
0173 Euthynnus alletteratus (Rafinesque 1810) - False Albacore
0175 Albula vulpes (Linnaeus 1758) - Bonefish
0176 Bathylagus euryops Goode + Bean 1895 - Goitre Black Smelt
0177 Malacosteus niger Ayres 1848 - Loosejaw
0178 Lobianchia gemellarii (Cocco 1838)
0179 Myctophum affine (Lutken 1892) - Mettallic Lanternfish
0180 Myctophum punctatum Rafinesque 1810 - Spotted Lanterfish
0181 Notolychnus valdiviae (Brauer 1904)
0182 Notoscopelus kroyeri (Malm 1863) - Kroyer's Lanternfish
0183 Notoscopelus resplendens (Richardson 1845)
0184 Symbolophorus veranyi (Moreau 1888) - Largescale Lanternfish
0185 Taaningichthys bathyphilus (Taning 1928)
0186 Taaningichthys minimus (Taning 1928)
0187 Auxis thazard (Lacepede 1802) - Frigate Mackerel
0188 Sarda sarda (Block 1793) - Atlantic Bonito
0189 Scomberomorus cavalla (Cuvier + Valenciennes 1831) - King Mackerel
0190 Thunnus alalunga (Bonnaterre 1788) - Albacore
0191 Thunnus albacares (Bonnaterre 1788) - Yellowfin Tuna
0192 Thunnus obesus (Lowe 1839) - Bigeye Tuna
0193 Urophycis sp. - Hake
0195 Enchelyopus and Urophycis sp.- Rockling and Hake
0198 Syacium sp.
0200 Raja laevis Mitchill 1817 - Barndoor Skate
0201 Raja radiata Donovan 1807 - Thorny Skate
0202 Raja senta Garman 1885 - Smooth Skate
0203 Raja erinacea Mitchill 1825 - Little Skate
0204 Raja ocellata Mitchill 1815 - Winter Skate
0205 Raja spinicauda Jensen 1914 - Spiny-tail Skate
0206 Raja eglanteria Bosc 1802 - Brier Skate
0207 Raja fyllae Lutken 1887 - Round Skate
0208 Raja mollis Bigelow + Schroeder 1950 - Soft Skate
0209 Raja jenseni Bigelow + Schroeder 1950 - Jensen's Skate
0210 Raja hyperborea Collett 1878 - Arctic Skate
0212 Raja bathyphila Holt + Byrne 1908 - Abyssal Skate
0213 Dasyatis centroura (Mitchill 1815) - Roughtail Stingray
0215 Odontaspis taurus Muller + Henle 1841 - Sand Tiger
0216 Torpedo nobiliana Bonaparte 1835 - Atlantic torpedo
0217 Raja lintea Fries 1838 - White Skate
0218 Dasyatis violacea (Bonaparte 1832) - Pelagic Stingray
0220 Squalus acanthias Linnaeus 1758 - Spiny Dogfish
0221 Centroscyllium fabricii (Reinhardt 1825) - Black Dogfish
0222 Mustelus canis (Mitchill 1815) - Smooth Dogfish
0223 Centroscymnus coelolepis Bocage + Brito Capello 1864 - Portugese Shark
0224 Etmopterus princeps Collett 1904 - Rough Sagre
0225 Manta birostris (Walbaum 1792) - Atlantic Manta
0226 Protomyctophum arcticum (Lutken 1892)
0227 Notoscopelus sp.

0228 Lepidopnanes quentheri (Goode + Bean 1896)
0229 Diaphus sp.
0230 Lamna nasus (Bonnaterre 1788) - Porbeagle, Mackerel Shark
0231 Prionace glauca (Linnaeus 1758) - Blue Shark
0232 Carcharodon carcharias (Linnaeus 1758) - White Shark
0233 Cetorhinus maximus (Gunnerus 1765) - Basking Shark
0234 Alopias vulpinus (Bonnaterre 1788) - Thresher Shark
0235 Rhizoprionodon terranovae (Richardson 1836) - Atlantic Sharpnose
0236 Sphyrna zygaena (Linnaeus 1758) - Smooth Hammerhead
0237 Somniosus microcephalus (Bloch + Schneider 1801) - Greenland Shark
0238 Isurus oxyrinchus Rafinesque 1810 - Shortfin Mako
0239 Apristurus profundorum (Goode + Bean 1896) - Deepsea Cat Shark
0240 Petromyzon marinus Linnaeus 1758 - Sea Lamprey
0241 Myxine glutinosa Linnaeus 1758 - Atlantic Hagfish
0242 Hydrolagus affinis (Capello 1868) - Deepwater Chimaera
0243 Acipenser oxyrhynchus Mitchill 1815 - Atlantic Sturgeon
0244 Carcharhinus longimanus (Poey 1861) - Oceanic Whitetip Shark
0245 Carcharhinus milberti Jordan + Gilbert 1883 - Sandbar Shark
0246 Carcharhinus obscurus (LeSeuer 1818) - Dusky Shark
0247 Harriotta raleighana Goode + Bean 1895 - Longnose Chimaera
0248 Rhinochimaera atlantica Holte + Byrne 1909 - Knifenose Chimaera
0249 Acipenser brevirostrum LeSueur 1818 - Shortnose Sturgeon
0250 Lepisosteus osseus (Linnaeus 1758) - Longnose Gar
0252 Lampanyctus s
0253 Groundfish (No.-specified)
0254 Anchoa mitchilli (Cuvier + Valenciennes 1848) - Bay Anchovy
0255 Istiophorus platypterus Shaw + Nodder 1791 - Sailfish
0256 Pelagic Fish (Non-specified)
0257 Seriola sp.
0258 Micropogonias undulatus (Linnaeus 1766) - Atlantic Croaker
0259 Strongylura marina (Walbaum 1792) - Atlantic Needlefish
0260 Opisthonema oglinum (LeSueur 1817) - Atlantic Thread Herring
0261 Trachinotus carolinus (Linnaeus 1766) - Common Pompano
0262 Dorosoma cepedianum (LeSeuer 1818) - Gizzard Shad
0264 Alosa mediocris (Mitchill 1814) - Hickory Shad
0266 Orthopristis chrysoptera (Linnaeus 1766) - Pigfish
0267 Sciaenops ocellata (Linnaeus 1766) - Red Drum
0268 Pagrus pagrus Linne 1758 - Red Porgy
0269 Trachurus lathami Nichols 1920
0270 Leiostomus xanthurus Lacepede 1802 - Spot Croaker
0271 Cynoscion nebulosus (Cuvier + Valenciennes 1830) - Spotted Weakfish
0273 Salmo sp. - Trout non-specified
0275 Large Sharks Unspecified
0277 Trichopsetta sp.
0278 Scorpaena sp.
0279 Symbolophorus sp.
0281 Alosa sp.
0282 Syacium micrurum Ranzani 1840 - Channel Flounder
0283 Sebastes fasciatus Storer 1856 - Labrador Redfish
0284 Lampanyctus ater Taning 1928
0285 Naucrates sp.
0286 Benthosema sp.
0287 Notoscopelus bolini Nafpaktitis 1975
0289 Caulolatilus sp.
0291 Bathylagus compsus Cohen 1958
0292 Bolinichthys photothorax (Parr 1928)
0293 Ceratoscopelus sp.
0295 Bathylagus sp.
0297 Svetovidovia sp.
0300 Myoxocephalus octodecemspinosus (Mitchill 1815) - Longhorn Sculpin
0301 Myoxocephalus scorpius (Linnaeus 1758) - Shorthorn Sculpin
0302 Gymnocanthus tricuspis (Reinhardt 1832) - Arctic Stagnorn Sculpin
0303 Myoxocephalus aeneus (Mitchill 1815) - Grubby
0304 Triglops murrayi Gunther 1888 - Mailed Sculpin
0305 Triglops nybelini Jensen 1944 - Nybelin's Sculpin
0306 Artediellus uncinatus (Reinhardt 1833) - Arctic Hookear Sculpin
0307 Cottunculus microps Collett 1875 - Polar Sculpin
0308 Cottunculus thompsoni (Gunther 1882) - Pallid Sculpin
0309 Triglops sp. - Unidentified Sculpin
0310 Myoxocephalus sp. - Unidentified Sculpin

0313 Icelus bicornis (Reinhardt 1841) - Twohorn Sculpin

0314 Icelus spatula Gilbert + Burke 1912 - Spatulate Sculpin
0315 Myoxocephalus quadricornis (Linnaeus 1758) - Fourhorn Sculpin
0316 Myoxocephalus scorpioides (Fabricus 1780) - Arctic Sculpin
0317 Triglops pingeli Reinhardt 1832 - Ribbed Sculpin
0318 Icelus sp. - Sculpin
0319 Laemonema barbatula Goode + Bean 1883
0320 Hemitripterus americanus (Gmelin 1789) - Sea Raven
0321 Thunnus sp.
0322 Pseudopallida sp.
0323 Artediellus sp.
0324 Monolene antillarum Norman 1933
0325 Engyophrys senta Ginsburg 1933
0327 Myctophum asperum Richardson 1845
0330 Prionotus carolinus (Linnaeus 1771) - Northern Searobin
0331 Peristedion miniatum Goode 1880 - Armored Searobin
0332 Prionotus evolans (Linnaeus 1766) - Striped Searobin
0333 Trichopsetta orbisulcus Anderson + Gutherz 1967
0334 Chauliodus danae Regan + Trewavas 1929
0335 Chauliodus sp.
0338 Aristostomias sp.
0340 Aspidophoriodes monopterygius (Bloch 1786) - Alligatorfish
0341 Aspidophoriodes olriki Lutken 1876 - Arctic Alligatorfish
0342 Hygophum reinhardtii (Lutken 1892)
0349 Elops saurus Linnaeus 1766 - Lady Fish
0350 Agonus decagonus Bloch + Schneider 1801 - Atlantic Sea Poacher
0361 Gasterosteus aculeatus Linnaeus 1758 - Threespine Stickleback
0362 Pungitius pungitius (Linnaeus 1758) - Ninespine Stickleback
0363 Apeltes quadracus (Mitchill 1815) - Fourspine Stickleback
0364 Gasterosteus wheatlandi Putman 1867 - Blackspotted Stickleback
0370 Myctophum sp.
0385 Monolene sessilicauda Goode 1880
0397 Antennarius ocellatus Poey 1868 - Ocellated Frogfish
0399 Histrio histrio (Linnaeus 1758) - Sargassumfish
0400 Lophius americanus Valenciennes 1873 - Monkfish
0401 Ceratias holboelli Kroyer 1844 - Deepsea Angler
0402 Cryptopsaras couesi Gill 1883 - Lesser Deepsea Angler
0403 Himantolophus groenlandicus Reinhardt 1837 - Atlantic Footballfish
0404 Himantolophus sp.
0405 Caulophryne jordani Goode + Bean 1896
0406 Linophryne algibarbata Waterman 1939
0407 Linophryne coronata Parr 1927
0408 Linophryne lucifer Collett 1886
0409 Malacocephalus occidentalis Goode + Bean 1885 - American Straptail Grenadier
0410 Nezumia bairdi (Goode + Bean 1877) - Marlin Spike
0411 Macrourus berglax Lacepede 1802 - Roughhead Grenadier
0412 Trachyrhynchus murrayi Gunther 1887 - Roughnose Grenadier
0413 Coelorhynchus carminatus (Goode 1880) - Longnose Grenadier
0414 Coryphaenoides rupestris Gunnerus 1765 - Rock Grenadier
0418 Gigantactis sp.
0426 Anarchias yoshiae Kanazawa 1952 - Pigmy Moray
0427 Gymnothorax sp.
0430 Ariosoma sp.
0431 Conger sp.
0432 Hildebrandia sp.
0433 Nystactichthys sp.
0434 Paraconger sp.
0435 Pseudophichthys splendens (Lea xxxx)
0436 Rhechias sp.
0437 Uroconger sp.
0438 Uroconger syringinus Ginsberg xxxx
0441 Ahlia egomontis (Jordan 1884) - Key Worm Eel
0442 Apterichtus ansp (Bohlke 1968)
0443 Apterichtus kendalli (Gilbert 1889)
0444 Bascanichthys bascanium (Jordan 1884)
0445 Callechelys sp.
0446 Callechelys muraena (Jordan + Evermann 1886) - Blotched Snake Eel
0447 Echiophis sp.
0448 Myrophis platynhychus (Breder xxxx)
0449 Myrophis punctatus (Lutken 1851) - Speckled Worm Eel
0450 Ophichtus sp.
0451 Ophichtus gomesi (Castelnau 1855) - Shrimp Eel
0452 Ophichthus ocellatus (LeSueur 1825) - Pale Spotted Eel

0459 Dysomma sp.
0464 Nemichthys sp.
0471 Moringua edwardsi (Jordan + Bollman 1889)
0472 Neoconger mucronatus Girard 1859 - Slender Pike Eel
0476 Nettastoma sp.
0477 Hoplunnis sp.
0481 Chlopsis bicolor Rafinesque 1810
0482 Kaupichthys hyoproroides (Stromman 1896)
0486 Paraxenomystax sp.
0491 Tilurops is sp.
0500 Liparis sp. - Unidentified Seasnail
0501 Cyclopterus lumpus Linnaeus 1758 - Lumpfish
0502 Eumicrotremus spinosus (Muller 1777) - Atlantic Spiny Lumpsucker
0503 Liparis atlanticus (Jordan + Evermann 1898) - Atlantic Seasnail
0504 Liparis liparis (Linnaeus 1766) - Striped Seasnail
0505 Liparis koefoedi Parr 1932 - Gelatinous Seasnail
0506 Liparis tunicatus Reinhardt 1836 - Greenland Snail
0507 Careproctus longipinnis Burke 1912 - Longfin Seasnail
0508 Liparis inquilinus Able 1973 - Inquiline Seasnail
0509 Eumicrotremus derjugini Popov 1926 - Leatherfin Lumpsucker
0510 Opsanus tau (Linnaeus 1766) - Toadfish
0511 Paraliparis copei Goode + Bean 1896 - Blacksnout Seasnail
0512 Liparis gibbus Gilbert 1895 - Seasnail
0513 Liparis coheni Able 1976 - Gulf Seasnail
0520 Careproctus reinhardi (Kroyer 1862) - Sea Tadpole
0599 Ammodytes americanus DeKay 1842 - American Sand Lance
0600 Anguilla rostrata (LeSueur 1817) - American Eel
0601 Simenchelys parasiticus Gill 1879 - Snubnose Eel
0602 Synaphobranchus kaupi Johnston 1862 - Gray's Cutthroat Eel
0603 Lycenchelys verrilli (Goode + Bean 1877) - Wolf Eelpout
0604 Nemichthys scolopaceus Richardson 1848 - Slender Snipe Eel
0605 Blennies, Shannies, Gunnels - OBSOLETE (see 0644)
0606 Gymnothorax funebris Ranzani 1840 - Green Moray
0607 Nessorhamphus ingolfianus (Schmidt 1930) - Duckbill Oceanic Eel
0608 Conger oceanicus (Mitchill 1818) - Conger Eel
0609 Ophichthys cruentifer (Goode + Bean 1896) - Snake Eel
0610 Ammodytes dubius Reinhardt 1838 - Northern Sand Lance
0611 Ammodytes sp.- Sand Lance (sand eels) Unidentified
0612 Derichthys serpentinus Gill 1884
0613 Serrivomer beani Gill + Ryder 1883 - Stout Sawpalate
0614 Eurypharynx pelecanoides Vaillant 1882 - Pelican Grouper
0615 Lipogenys gillii Goode + Bean 1896 - Backfin Tapirfish
0616 Gymnelis viridis (Fabricus 1780) - Fish Doctor
0617 Lycenchelys paxillus (Goode + Bean 1879) - Common Wolf Eel
0618 Lycenchelys sarsi (Collett 1871) - Sar's Wolf Eel
0619 Lycodes atlanticus Jensen 1902 - Atlantic Eelpout
0620 Lycodes lavalaei Vladykov + Tremblay 1936 - Newfoundland Eelpout
0621 Pholis gunnellus (Linnaeus 1758) - Rock Gunnel
0622 Lumpenus lumpretaeformis (Walbaum 1792) - Snakeblenny
0623 Lumpenus maculatus (Fries 1837) - Daubed Shanny
0624 Stichaeus punctatus (Fabricius 1780) - Arctic Shanny
0625 Ulvaria subbifurcata (Storer 1839) - Radiated Shanny
0626 Eumesogrammus praecisus (Kroyer 1837) - Fourline Snakeblenny
0627 Lycodes pallidus Collett 1879 - Pale Eelpout
0628 Lycodes turneri Bean 1878 - Polar Eelpout
0629 Chirolophus ascanii (Walbaum 1792) - Yarrell's Snakeblenny
0630 Cryptacanthodes maculatus Storer 1839 - Wrymouth
0631 Lumpenus fabricii (Valenciennes 1836) - Slender Eelblenny
0632 Lumpenus medius (Reinhardt 1838) - Stout Eelblenny
0633 Pholis fasciata (Bloch + Schneider 1801) - Banded Gunnel
0637 Callionymus agassizi Goode + Bean 1888 - Spotfin Dragonet
0638 Serrivomer brevidentatus Roule + Bertin 1929
0640 Macrozoarces americanus (Bloch + Schneider 1801) - Ocean Pout
0641 Lycodes reticulatus Reinhardt 1838 - Arctic Eelpout
0642 Lycodes sp.- Eelpout
0643 Lycodes esmarki Collett 1875 - Esmark's Eelpout
0646 Melanostigma atlanticum Koefoed 1952 - Atlantic Softpout
0647 Lycodes vahlii Reinhardt 1838 - Vahl's Eelpout
0650 Lepophidium cervinum (Goode + Bean 1885) - Fawn Cusk Eel
0651 Anguilla anguilla Shaw 1803 - European Eel
0653 Callionymus bairdi Jordan 1887 - Coral Dragonet
0654 Ophidion selenops Robins + Bohlke 1959 - Mooneye Cusk Eel

0656 Serrivomer sp.
0657 Callionymus sp.
0659 Facciolella sp.
0667 Vinciguerria poweriae (Cocco 1838)
0668 Anthias sp.
0670 Eustomias fissibarbis (Pappenheim 1914)
0671 Vinciguerria attenuata (Cocco 1878) - Veiled Anglemouth
0672 Pontius sp.
0673 Synagrops spinosa Schultz 1940
0674 Paralepis coregonoides Risso 1820
0675 Syngnathus dunckeri Metzelaar 1919 - Pugnose Pipefish
0676 Syngnathus springeri Herald 1942 - Bull Pipefish
0677 Epigonus denticulatus Dieuzeide 1950
0678 Hemiramphus brasiliensis (Linnaeus 1758) - Ballyhoo
0679 Valenciennellus tripunctulatus (Esmarck 1871)
0681 Scopelarchus analis (Brauer 1902)
0682 Hirundichthys affinis (Gunther 1878) - Fourwing Flyingfish
0684 Vinciguerria nimbaria (Jordan + Williams 1895)
0685 Apogon pseudomaculatus Longley xxxx - Two Spot Cardinalfish
0686 Melamphaes sp.
0688 Lestidiops javakari (Boulenger 1889)
0690 Bregmaceros sp.
0691 Sudis hyalina Rafinesque 1810
0693 Symphurus minor Ginsberg 1951 - Largescale Tonguefish
0695 Diplectrum formosum (Linnaeus 1766) - Sand Perch
0696 Cyclothone acclinidens Garman 1899
0698 Epinephelus niveatus (Cuvier + Valenciennes 1828) - Snowy Grouper
0699 Polyprion americanus (Bloch + Schneider 1801) - Atlantic Wreckfish
0700 Argyropelecus aculeatus Cuvier + Valenciennes 1849 - Atlantic Silver Hatchetfish
0701 Peprilus triacanthus (Peck 1804) - Butterfish
0702 Syngnathus fuscus Storer 1839 - Northern Pipefish
0703 Syngnathus pelagicus Linnaeus 1766 - Pelagic Pipefish
0704 Zenopsis ocellata (Storer 1858)- American John Dory
0705 Argyropelecus gigas Norman 1903
0706 Argyropelecus hemigymnus Cocco 1829
0707 Argyropelecus lychnus lychnus Garman 1899
0708 Polyipnus asteroides Schultz 1938
0709 Sternoptyx diaphana Hermann 1781 - Transparent Hatchetfish
0710 Alepisaurus ferox Lowe 1833 - Longnose Lancetfish
0711 Paralepis atlantica Kroyer 1868 - Short Barracudina
0712 Notolepis rissoi kroyeri (Lutken 1892) - White Barracudina
0714 Benthodesmus simonyi (Steindachner 1891) - Frostfish
0716 Borostomias antarcticus (Lonnberg 1905) - Straightline Dragonfish
0717 Grammatostomias dentatus Goode + Bean 1895 - Torpedo Dragonfish
0718 Melanostomias spilorhynchus Regan + Trewavas 1930 - Bluenose Dragonfish
0719 Odontostomias sp.
0720 Scomberesox saurus (Walbaum 1792) - Atlantic Saury
0721 Trigonolampa miriceps Regan + Trewavas 1930 - Threelight Dragonfish
0722 Bathophilus metallicus (Welsh 1923)
0723 Idiacanthus fasciola Peters 1876 - Ribbon Sawtailfish
0724 Aleopocephalus bairdii (Goode + Bean 1879) - Baird's Smoothhead
0725 Xenodermichthys copei (Vaillant 1888)- Atlantic Gymnast
0726 Mentodus rostratus (Gunther 1878)
0727 Notolepis rissoi (Bonaparte 1841) - White Barracudina
0728 Paralepis atlantica atlantica Kroyer 1891
0729 Omosudis lowei Gunther 1887
0730 Mola mola (Linnaeus 1758) - Ocean Sunfish
0731 Alepisaurus brevirostris Gibbs 1960 - Shortnose Lancetfish
0732 Anotopterus pharao Zugmayer 1911 - Daggertooth
0733 Evermannella sp.
0734 Cypselurus furcatus (Mitchill 1815) - Spotfin Flyingfish
0735 Cypselurus heterurus (Rafinesque 1810) - Atlantic Flyingfish
0736 Hirundichthys rondeletti (Valenciennes 1846) - Blackwing Flyingfish
0737 Hyporhampus sp. - Common Halfback
0738 Fundulus diaphanus (LeSueur 1817) - Banded Killifish
0739 Polyacanthonotus rissoanus (deFilippi + Verany 1859) - Shortspine
0740 Notacanthus chemnitzi Bloch 1788 - Spiny Eel
0742 Dibranchus atlanticus Peters 1875 - Atlantic Batfish
0743 Hyperoglyphe perciformis (Mitchill 1818) - American Barrelfish
0744 Polymixia nobilis Lowe 1838 - Stout Beardfish
0746 Spnoeroides maculatus (Bloch + Schneider 1801) - Northern Puffer
0747 Coryphaena hippurus Linnaeus 1758 - Dolphins

0749 Conocara salmonea (Gill + Townsend 1897) - Slickhead
0750 Howella brodiei Ogilby 1899 - Cardinalfish
0751 Pontinus rathbuni Goode + Bean 1896 - Highfin Scorpionfish
0752 Pollichthys mauli Grey 1959 - Maul's Anglemouth
0753 Cyclothone alba Brauer 1906 - Albino Anglemouth
0754 Cyclothone braueri Jesperson + Taning 1926 - Brauer's Anglemouth
0755 Cyclothone sp.- Anglemouth Unidentified
0756 Stomias sp.- Dragonfish Unidentified
0757 Physiculus fulvus Bean 1884 - Little Morid
0758 Loblanchia dofleini (Zugmayer 1911) - Doflein's Lanternfish
0759 Syngnathus sp.- Pipefish Unidentified
0760 Melanocetus johnsoni Gunther 1864
0761 Chaenophryne longiceps Parr 1927
0762 Dolopichthys allector Garman 1899
0763 Lasiognathus beebei Regan + Trewavas 1932
0764 Leptacanthichthys gracilispinis (Regan 1925)
0765 Lophodolus acanthognathus Regan 1925
0766 Microlophichthys microlophus (Regan 1925)
0767 Oneirodes eschrichtii Lutken 1871
0768 Oneirodes sp.
0769 Fundulus heteroclitus (Linnaeus 1766) - Mummichogg
0770 Menidia menidia (Linnaeus 1766) - Atlantic Silversides
0771 Polymixia lowei Gunther 1859 - Beardfish
0772 Diretmus argenteus Johnson 1863 - Spinyfin
0773 Gephyroberyx darwinii (Johnson 1866)
0774 Anoplogaster cornuta (Cuvier + Valenciennes 1833) - Ogrefish
0775 Beryx decadactylus Cuvier + Valenciennes 1829 - Alfonsin a Casta Large
0776 Beryx splendens Lowe 1833 - Alfonsin a Casta
0777 Xenolepidichthys americanus Nichols + Firth 1939 - Grammicolepid
0778 Lampris regius (Bonaterre 1788) - Opah
0779 Hippocampus erectus Perry 1810 - Lined Seahorse
0780 Fistularia tabacaria Linnaeus 1758 - Bluespotted Cornetfish
0781 Apogon maculatus (Poey 1860) - Flumefish
0782 Apogon sellicaude Evermann + Marsh 1902
0783 Howella sherborni (Norman 1930) - Sherborn's Cardinalfish
0784 Aphanopus carbo Lowe 1839 - Black Scabbardfish
0785 Ariomma bondi Fowler 1930 - Silver Rag
0786 Schedophilus medusophagus Cocco 1839 - Cornish Blackfish
0787 Centrolophus niger (Gmelin 1788) - Black Ruff
0788 Nomeus gronovii (Gmelin 1788) - Man-of-War Fish
0789 Psenes maculatus Lutken 1880 - Silver Driftfish
0790 Tetragonurus atlanticus Lowe 1843 - Bigeye Squaretail
0791 Tetragonurus cuvieri Risso 1810 - Smalleye Squaretail
0792 Lagocephalus lagocephalus Linnaeus 1758 - Oceanic Puffer
0793 Chilomycterus schoepfi (Walbaum 1792) - Striped Burrfish
0794 Lactophrys trigonus (Linnaeus 1758) - Trunkfish
0795 Scopelogadus beanii (Gunther 1887) - Bean's Bluejack
0796 Scopeloberyx opisthopterus (Parr 1933)
0797 Poromitra megalops (Lutken 1877)
0798 Melamphaes microps (Gunther 1878)
0799 Poromitra capito Goode + Bean 1882
0800 Poromitra crassiceps (Gunther 1878)
0801 Trachinocephalus myops (Forster 1801) - Snakefish
0803 Rachycentron canadum (Linnaeus 1766) - Cobia
0805 Sympnurus sp.
0806 Dactylopterus volitans (Linnaeus 1758) - Flying Gurnards
0807 Saurida normani Longley 1935 - Shortjaw Lizardfish
0808 Synodus synodus (Linnaeus 1758) - Red Lizardfish
0809 Lactophrys triqueter (Linnaeus 1754) - Smooth Trunkfish
0810 Ampheliturus dendriticus (Barbour xxxx) - Pipehorse
0812 Synodus sp.
0813 Ariomma sp.
0814 Bathysaurus ferox Gunther 1878
0816 Sympnurus pterospilotus Ginsburg 1951 - Tonguefish
0850 Scopelosaurus mauli Bertelsen, Krefft + Marsnall 1976

# APPENDIX E

## NUMERICAL LISTING OF INVERTEBRATE SPECIES BY CODE NUMBER

Abothrium gadi van Beneden 1871
Abraliopsis sp.
Abralia redfieldi Voss 1955
Abralia veranyi (Ruppell 1844)
Abraliopsis pfefferi Joubin 1896
Alloposus mollis Verrill 1880
Ancistrocheirus sp.
Anisakis simplex (Rudolphi 1809)
Architeuthis dux Steenstrup 1857
Ascarophis sp.
Ascarophis filiformis Polyansky 1952
Ascarophis arctica Polyansky 1952
Aurelia sp.
Bathypolypus articus (Prosch 1849)
Bathyteuthis abyssicola Hoyle 1885
Benthoctopus piscatorum (Verrill 1879)
Bothriocephalus sp.
Brachioteuthis riisei (Steenstrup 1882)
Brachioteuthis beani Verrill 1885
Brachyphallus crenatus (Rudolphi 1802)
Calocalanus sp.
Caligus curtis O. F. Muller 1785
Capillaria sp.
Chiroteuthis sp.
Chiroteuthis lacertosa Verrill 1881
Cirrothauma mulleri Eschricht 1838
Cirrothauma murrayi Chun 1911
Clavella adunca (Strom 1762)
Corynosoma sp.
Cranchia scabra Leach 1817
Cryptocotyle lingua (Creplin 1825)
Ctenopteryx sicula (Verany 1851)
Cucullanus cirratus O. F. Muller 1777
Derogenes varicus (O. F. Muller 1784)
Echinorhynchus sp.
Echinorhynchus vancleavi Golvan 1979
Egea inermis Joubin 1833
Eledonella pygmaea Verrill 1884
Enoploteuthis anapsis Roper 1964
Enoploteuthis leptura (Leach 1817)
Fellodistum furcigerum (Olsson 1867)
Galiteuthis armata Joubin 1889
Gonatus fabricii (Lichtenstein 1818)
Gonatus steenstrupii Kristensen 1981
Gonocera phycidus Manter 1925
Graneledone verrucosa (Verrill 1881)
Grillotia erinaceus (van Beneden 1858)
Gyrodactylus sp.
Helicocranchia sp.
Hemiurus levinseni Odhner 1905
Heteroteuthis dispar (Ruppell 1845)
Histioteuthis bonnellii (Rerussac 1835)
Histioteuthis celetaria celetaria (Voss 1960)
Histioteuthis corona corona (Voss  Voss 1962)
Histioteuthis dofleini (Pfeffer 1912)
Histioteuthis elongata (Voss  Voss 1962)
Histioteuthis reversa (Verrill 1880)
Hyaloteuthis pelagica (Bosc 1802)
Japetella diaphana Hoyle 1885
Lampadioteuthis megaleia Berry 1916
Leachia sp.
Leachia atlantica (Degner 1925)
Lecithaster gibbosus (Rudolphi 1802)
Lepidapedon elongatum (Lebbour 1908)
Lepidapedon rachion (Collold 1858)
Liocranchia reinhardti (Steenstrup 1856)
Mastigoteuthis agassizi Verrill 1881
Mastigoteuthis cordiformis Chun 1913

Mastigoteuthis hjorti Chun 1913
Megalocranhia sp.
Moroteuthis equatorialis Thiele 1921
Nectonema agile xxxx
Neopanope sayi (Smith 1869)
Neophasis sp.
Ninoe nigripes Verrill 1873
Octopoteuthis sp.
Octopoteuthis megaptera Verrill 1885
Octopoteuthis sicula Ruppell 1884
Octopus defillippi Verany 1851
Ocythoe tuberculata Rafinesque 1814
Ommastrephes bartrami (LeSueur 1821)
Ommastrephes pteropsus Steenstrup 1855
Onychoteuthis banksi (Leach 1817)
Onykia carriboea LeSueur 1821
Opistoteuthis agassizi Verrill 1883
Ornithoteuthis antillarum Adam 1957
Otodistomum sp.
Pholidoteuthis adami Voss 1956
Phyllobothrium loliginus (Leidy 1887)
Podocotyle atomon (Rudolphi 1802)
Podocotyle reflexa (Creplin 1825
Priaplus caudatus (Lamarck 1816)
Prosorhynchus squamatus Odhner 1905
Pterygioteuthis gemmata Chun 1908
Pterygioteuthis giardi Fischer 1895
Pyroteuthis margaritifera (Ruppell 1844)
Scolex pleuronectis O. F. Muller 1788
Selenoteuthis scintillans Voss 1958
Spirula spirula (Linnaeus 1758) - Common spirula *note: shell only
Stauroteuthis syrtensis Verrill 1879
Steganoderma formosum Stafford 1904
Stenakron vetustum Stafford 1904
Stephanostomum baccatum (Nicoll 1907)
Stoloteuthis leucoptera Verrill 1881
Taonius pavo (LeSueur 1821)
Tentacularia coryphaenae Bosc 1802
Tetronychoteuthis dussumieri (Orbigny 1839)
Teuthowenia megalops Prosch 1849
Thelidioteuthis alessandrini (Verany 1851)
Thynnascaris adunca (Rudolphi 1802)
Tremoctopus violaceous Delle Chiaje 1830
Udonella caligorum Johnston 1835

1820 Ascidea sp. Adult
1821 Ascidea sp. - Sea Squirt
1822 Dendrodoa sp.
1823 Boltenia sp.
1824 Pelonaia sp.
1825 Ascidea sp. Larvae
1826 Mogula manhattensis (DeKay 1843) - Sea Grapes
1827 Halocynthia pyriformis (Verrill 1806) - Sea Peach
1828 Amphioxus sp. - Sand Blister *16
1831 Oikopleura sp.
1931 Rhynchonella sp.
1932 Terebratulina sp.
2210 Pandalus sp.
2211 Pandalus borealis Kroyer 1838
2212 Pandalus montaqui Leach 1813
2213 Pandalus propinquus G. O. Sars 1869
2214 Dichelopandalus leptoceras (Smith 1881)
2215 Dichelopandalus sp.
2220 Pasiphaea tarda Kroyer 1845 - Shrimp
2221 Pasiphaea multidentata Esmarck 1866
2245 Paleomonetes vulgaris (Say 1818)
2309 Hippolyte zostericola (Smith 1873)
2310 Spirontocaris sp.
2311 Spirontocaris fabricii - OBSOLETE
2312 Lebbeus polaris (Sabine 1821)
2313 Spirontocaris liljeborgii (Danielssen 1859)
2314 Spirontocaris macilenta - OBSOLETE

2315 Spirontocaris phippsii (Kroyer 1841)
2316 Spirontocaris spina (Sowerby 1805)
2317 Eualus pusiola (Kroyer 1841)
2318 Caridion gordoni (Bate 1858)
2319 Lebbeus groenlandicus (Fabricus 1775)
2320 Lebbeus sp.
2321 Lebbeus zebra (Leim 1921)
2330 Eualus sp.
2331 Eualus macilentus (Kroyer 1842)
2332 Eualus fabricii Kroyer 1841
2333 Eualus gaimardii (H. Milne Edwards 1837)
2351 Podon sp.
2352 Evadne sp.
2401 Snapping Shrimp - OBSOLETE
2410 Argis sp.
2411 Argis dentata (Rathbun 1902)
2412 Pontophilus brevirostrus Smith 1881
2413 Sclerocrangon sp.
2414 Sclerocrangon boreas (Phipps 1774)
2416 Crangon sp.
2417 Crangon septemspinosa Say 1818
2420 Sabinea sp.
2421 Sabinea septemcarinata (Sabine 1824)
2500 Crabs, Lobsters, Hermits
2511 Cancer borealis Stimpson 1859 - Jonah Crab
2512 Callinectes sapidus Rathbun 1896 - Blue Crab
2513 Cancer irroratus Say 1817 - Aylantic Rock Crab
2514 Limulus polyphemus (Linnaeus xxxx) - American Horse Shoe Crab
2520 Hyas sp.
2521 Hyas coarctatus Leach 1815
2522 Chionoecetes sp. - Spider/Queen, Snow Crab - OBSOLERE
2523 Lithodes maia (Linnaeus 1758) - Northern Stone Crab
2524 Cancer sp.
2525 Lithodes and Neolithodes sp. - Spiny Crab
2526 Chionoecetes opilio (Fabricius 1780) - Snow/Queen Crab
2527 Hyas araneus (Linnaeus 1758)
2528 Neolithodes grimaldi Milne-Edwards Bouvier 1894 - Spiny Spider Crab
2531 Carcinus maenas (Linnaeus 1758) - Green Crab
2532 Geryon quinquedens Smith 1879 - Deep Sea Red Crab
2541 Axius serratus Stimpson 1852
2550 Homarus americanus H. Milne Edwards 1837 - Lobster
2551 Homarus americanus Larvae
2555 Munida iris H. Milne Edwards 1880
2558 Pagurus politus (Smith 1882)
2561 Pagurus sp.
2562 Pagurus acadianus Benedict 1901
2563 Pagurus kroyeri Stimpson 1859 - OBSOLEEE
2564 Pagurus pubescens Kroyer 1838
2566 Munidopsis curvirostra Whiteaves 1874
2567 Calocaris macandreae Bell 1853
2605 Limacina sp.
2611 Meganyctiphanes norvegica (M. Sars 1857)
2612 Euphausia sp.
2620 Thysannoessa sp.
2621 Thysannoessa raschii M. Sars 1863
2622 Thysannoessa inermis (Kroyer 1846)
2623 Thysannoessa longicaudata (Kroyer 1846)
2624 Thysannoessa acutifrons xxxx
2710 Mysis sp.
2711 Mysis stenolepis S. I. Smith 1873
2712 Mysis mixta Lilljeborg xxxx
2713 Mysis gaspiensis Tattersall 1955
2721 Pseudomma affine G. O. Sars 1870
2722 Pseudomma truncatum S. I. Smith 1879
2731 Erythrops erythrophalma (Goes 1863)
2732 Meterythrops robusta S. I. Smith 1879
2733 Stilomysis grandis (Goes 1863)
2734 Neomysis americanus (S. I. Smith 1873)
2735 Boreomysis tridens G. O. Sars 1870
2805 Parampnithoe hystrix Bruzelius 1858
2809 Parathemisto sp.

2810 Hyperia sp.
2812 Melita dentata (Kroyer 1842)
2820 Gammarus sp.
2821 Ceradocus torelli (Goes 1866)
2822 Leptocheirus pinguis (Stimpson 1853) - Purple Amphi
2823 Unciola sp. - Red Amphi
2824 Red Isopod - OBSOLETE *7
2825 Maera loveni (Bruzelius 1859)
2827 Dulichia sp.
2829 Hippomedon serratus Holmes 1903
2831 Orchomenella sp.
2832 Tmetonyx sp.
2833 Anonyx sp.
2834 Orchomonella pinguis (Boeck 1861)
2835 Hippomedon denterulatus xxxx
2836 Hippomedon propinqius G. O. Sars 1890
2838 Hippomedon sp.
2846 Rachotropis sp.
2847 Rachotropis inflata (G. O. Sars 1882)
2848 Rachotropis aculeata Lepectin 1778
2849 Harpinia propinqua Sars 1895
2851 Syrrhoe sp.
2856 Haploops laevis xxxx
2857 Ampelisca agassizi (Judd 1896)
2861 Rozinante fragilis (Goes 1866)
2866 Neopleustes pulchellus Kroyer xxxx
2867 Pleustes panoplus (Kroyer 1838)
2871 Caprella linearis (Linnaeus 1767)
2872 Caprella septentrionalis Kroyer 1838
2873 Aeginella longicornis (Kroyer 1842)
2875 Halirages fulvocinctus (Sars 1854)
2881 Monoculodes sp.
2882 Paroediceros lynceus (M. Sars 1858)
2883 Paroediceros propinquis (Goes 1866)
2884 Paroediceros longimanus (M. Sars 1858)
2891 Nymphon longitarse Kroyer 1844
2896 Anurida maritima (Guerin) xxxx
2899 Clausocalanus sp.
2903 Hyperia galba (Montagu 1813)
2904 Parathemisto compressa (Goes 1865)
2907 Parathemisto oblivia (Kroyer 1838)
2909 Paracalanus, Clausocalanus and Calocalanus sp.
2910 Calanus sp.
2911 Calanus finmarchius (Gunner 1765)
2912 Calanus hyperboreus Kroyer 1838
2913 Candacia sp.
2914 Centropages sp.
2915 Candacia armata (Boeck 1872)
2916 Centropages bradyi Wheeler 1900
2917 Pseudocalanus sp.
2918 Pseudocalanus elongatus (Kroyer 1849)
2919 Temora sp.
2920 Oithona sp.
2921 Euchaeta norvegica Boeck 1902
2922 Euchirella sp.
2923 Acartia longiremis (Lilljeborg 1853)
2924 Metridia lucens Boeck 1902
2925 Metridia longa (Lubbock 1854)
2926 Pleuromamma sp.
2927 Spnyrion lumpi (Kroyer 1863)
2928 Oithona similis Claus 1913
2929 Lernaeocera branchialis (Linnaeus 1767)
2930 Oithona spinirostris Claus 1913
2931 Clavella sp.
2932 Paracalanus sp.
2933 Metridia sp.
2934 Paracalanus parvus (Claus 1863)
2935 Centropages typicus Kroyer 1902
2936 Temora longicornis (Muller 1902)
2937 Microcalanus pusillus Sars xxxx
2941 Parathemisto gaudichaudii (Guerin xxxx)
2942 Aetideus armatus (Boeck 1872)
2960 Nebalia bipes (Fabricius 1780)

2961 Nebalia sp.
2971 Diastylis sp.
2972 Diastylis rathkei (Kroyer 1841)
2973 Diastylis polita (S. I. Smith 1879)
2974 Leptocuma minor Calman 1912
2975 Leucon nasicoides Lilljeborg 1855
2976 Eudorella emarginata (Kroyer 1846)
2981 Aega psora (Linnaeus 1761)
2982 Idotea baltica (Pallas 1772)
2983 Idotea phosphorea (Harger 1873)
2984 Chiridotea tuftsi (Stimpson 1853)
2985 Synidotea nodulosa (Kroyer 1849)
2986 Munnopsis typica M. Sars 1860
2987 Phryxus abdominalis (Kroyer 1840)
2988 Bopyroides hippolytes (Kroyer 1838)
2989 Edotea triloba (Say 1818) - Brown Isopod
2994 Jaera marina (Fabricius 1780)
2996 Idotea sp.
2997 Chiridotea sp.
2998 Cirolana polita (Stimpson 1853)
3103 Lumbrineris sp.
3104 Nephtys sp.
3105 Sternaspis sp.
3108 Drilonereis magna Webster + Benedict 1887
3109 Eunice pennata (Muller 1776)
3110 Phyllodoce sp.
3111 Phyllodoce groenlandica Oersted 1842
3112 Eteone sp.
3113 Eteone trilineata Webster + Benedict 1887
3116 Arabella iricolor Montagu 1804
3120 Goniada maculata Oersted 1843
3121 Goniada sp.
3125 Nicomache canadensis McIntosh 1913
3130 Nereis sp.
3131 Nereis pelagica Linnaeus 1758
3140 Sabella sp.
3141 Rhodine sp.
3142 Cistenia gouldii (Verrill 1873)
3144 Cistenia sp.
3145 Praxillella sp.
3147 Potamilla neglecta (Sars 1851)
3148 Amphitrite sp.
3149 Cistenia granulata (Linnaeus 1767)
3156 Ophelia limacina Rathke 1843
3157 Ophelia acuminuta Oersted 1843
3161 Arenicola marina (Linnaeus 1758)
3165 Sternapsis scutata (Renier 1807)
3166 Nothria conchylega (Sars 1835)
3167 Scoloplos sp.
3171 Pherusa plumosa (Muller 1776)
3172 Brada sp.
3173 Pherusa sp.
3174 Diplocirrus hirsutus (Hansen 1879)
3200 Aphrodita hastata Moore 1905 - Sea Mouse
3211 Aphrodita aculeata Linnaeus 1761 - OBSOLETE
3212 Aphrodita sp.
3311 Echiurus echiurus (Pallas 1766)
3312 Themiste sp.
3313 Phascolosoma gouldii (Pourtales 1851)
3320 Phascolosoma sp.
3451 Priapulus caudatus Lamarck 1816
3501 Lepidonotus squamatus (Linne 1758)
3550 Glycera sp.
3551 Glycera capitata Oersted 1843
3700 Sipunculus sp.
4210 Buccinum sp. Whelks
4211 Buccinum undatum Linne 1758 - Wave Whelks
4212 Buccinum scalariforme Moller 1842
4221 Lunatia heros (Say 1822) - Moonshell
4222 Natica clausa Broderip + Sowerby 1829 - Little Moonshell
4223 Margarites cinera (Gould 1841) - OBSOLETE

4224 Margarites costalis (Gould 1841)
4225 Margarites groenlandicus (Gmelin 1791)
4227 Neptunea decemcostata (Say 1826) - New England Neptune
4228 Colus sp.- Spindle Shell1
4229 Turritella sp.
4230 Aporrhais sp. - Duck or Pelican Foot
4231 Nucella lapillus (Linne 1758) - Atlantic Dog Winkle
4232 Ilyanassa obsoleta (Say 1882) - Mud Snail
4233 Nassarius trivittatus (Say 1822) - Dog Whelk
4240 Epitonium sp.
4251 Skeneopsis sp. - Skenes
4252 Velutina laevigata Linnaeus 1767 - Velvet Shell
4254 Margarites helicinus (Phipps 1774)
4256 Philine sinuata Stimpson 1850 - Sinuate Paper Bubble
4257 Cylichna alba (Brown 1827) - Brown's Barrel Bubble
4258 Lunatia triseriata (Say 1826) - Spotted Northern Moonshell
4301 Ensis directus Conrad 1843 - Razor Shell Clam
4302 Thyasira sp.
4303 Tellina sp.
4304 Arctica islandica (Linne 1767) - Ocean Quahog
4305 Pandora gouldiana Dall 1886
4306 Cuspidaria glacialis (G. O. Sars 1878) - Glacier Dipper Shell
4307 Astarte undata Gould 1841 - Waved Astarte
4308 Nucula sp.
4309 Mya truncata Linne 1758
4311 Venus mercenaria - Quahaug - OBSOLETE
4312 Cyrtodaria siliqua (Spengler 1793)
4313 Macoma sp.
4314 Pitar morrhuanus Linsley 1848 - Morrhua Venus
4315 Siliqua sp. - Razor Clam
4316 Astarte sp.
4317 Spisula solidissima (Dillwyn 1817) - Bar/Surf Clam
4318 Mya arenaria Linne 1758 - Soft Shell Clam
4319 Hiatella arctica (Linne 1767) - Soft-Shell/Long Neck Clam
4321 Placopecten magellanicus (Gmelin 1791) - Giant Scallop
4322 Chlamys islandica (Muller 1776) - Iceland Scallop
4323 Mercenaria mercenaria (Linne 1758) - Hard Clam
4324 Argopecten irradians (Lamarck 1819) - Bay Scallop
4325 Argopecten gibbus (Linne 1758) - Calico Scallop
4326 Crassostrea virginica (Gmelin 1791) - American Cupped Oyster
4327 Cyrtodaria sp.
4331 Mytilus edulis Linne 1758 - Common Mussels / Blue Mussel
4332 Modiolus modiolus (Linne 1758) - Horse Mussel
4334 Musculus niger (Gray 1824)
4335 Strombus + Busycon sp.
4341 Cardium sp. - OBSOLETE *4
4342 Clinocardium ciliatum (Fabricius 1780) - Iceland Cockle
4343 Serripes groenlandicus (Bruguiere 1789) - Greenland Cockle
4344 Cyclocardia borealis (Conrad 1831) - Heart Shell
4345 Cerastoderma pinnulatum (Conrad 1831) - Northern Dwarf Cockle
4346 Solemya borealis Totten 1834 - Boreal Awning Clam
4351 Nuculana sp.
4352 Nuculana tenisulcata (Couthouy 1838) - Thin Nut Clam
4353 Nuculana buccata (Steenstrup 1842)
4354 Yoldia sp.
4355 Spisula polynyma (Stimpson 1860) - Stimpson's Surf Clam
4361 Nucula tenuis Montagu 1808
4410 Dendronotus sp.- Bushy Backslug
4420 Aeolidia sp. - Plumed Sea Slug
4431 Scaphander punctostriatus Mighels 1841 - Giant Canoe Bubble
4511 Illex illecebrosus (LeSueur 1821) - Short-finned Squid
4512 Loligo pealei LeSueur 1821 - Long Finned Squid
4513 Ommastrephes sp.
4522 Semirossia tenera (Verrill 1880)
4523 Rossia hyatti - OBSOLETE
4524 Bathypolypus arcticus (Prosch 1849)
4525 Rossia palpebrosa Owen 1835
4526 Rossia megaptera Verrill 1881
4531 Argonauta argo Linnaeus 1758
4611 Clione limacina (Phipps 1774) - Comman Clione
4621 Limacina helicina (Phipps 1774) - Helicid Pteropod
4711 Amicula vestita (Broderip + Sowerby 1829) - Concealed Arctic Chiton
4713 Tonicella rubra (Linne 1767) - Red Northern Chiton

4714 Lepidopleurus cancellatus (Sowerby 1839) - Arctic Cancellate Chiton
4720 Chaetoderma sp.
5011 Sagitta elegans Verrill 1873
5012 Sagitta sp.
5102 Pycnogonum littorale (Strom 1762)
5201 Crucibulum striatum Say 1824 - Cup and Saucer Limpet
6110 Asterias sp.
6111 Asterias vulgaris Verrill 1866 - Purple Starfish
6113 Leptasterias polaris (Muller + Troschel 1842)
6115 Ctenodiscus crispatus (Reitzius 1805) - Mud Star
6117 Hippasteria phrygiana (Parelius 1770)
6119 Henricia sanguinolenta (Muller 1776) - Blood Star
6121 Solaster endeca (Linne 1771) - Purple Sunstar
6123 Solaster papposus (Linnaeus 1780) - Sunstar
6125 Pteraster militaris (Muller 1776)
6127 Pentagonaster tosia xxxx
6128 Psilaster archaster xxxx
6129 Poraniomorpha hispida Sars xxxx
6130 Poraniomorpha borealis xxxx
6131 Diplopteraster multipes (Sars 1865)
6132 Leptasterias mulleri (M. Sars xxxx) - Muller's Starfish
6133 Pontaster sp.
6134 Leptasterias tenera (Stimpson 1862) - Slender-Armed Sea Star
6135 Astropecten duplicatus xxxx
6211 Ophiopholis aculeata (Linnaeus 1788) - Daisy
6212 Ophiura sp.
6213 Ophiura sarsi Lutken 1858
6215 Ophiura robusta (Ayres 1851)
6217 Stegophiura nodosa (Lutken 1858)
6310 Gorgonocephalus sp.
6400 Strongylocentrotus sp.- Sea Urchinss
6411 Strongylocentrotus droebachiensis (Muller 1776)
6412 Strongylocentrotus echinoides xxxx
6413 Brisaster fragilis (Duben + Koren 1844) - Heart Urchin
6420 Arabacia sp.
6421 Arabacia punctulata (Lamarck 1816)
6511 Echinarachnius parma (Lamarck 1816)
6611 Cucumaria frondosa (Gunnerus 1770)
6711 Havelockia scabra Verrill 1873
6712 Stereoderma unisemita (Stimpson 1851)
6713 Psolus fabricii (Duben + Koren 1846) - Scarlett Psolus
6714 Thyonella sp.
6715 Psolus phantapus (Strussendelt 1765)
6716 Duasmodactyla commune (Forbes xxxx)
6717 Caudina arenata Gould 1841
6719 Chiridota laevis (Fabricius 1780)
6720 Molpadia musculus Risso xxxx
6801 Echinocardium cordatum (Pennant xxxx)

7110 Phocanema sp.
7111 Phocanema decipiens (Krabbe 1878)
7113 Contracaecum sp.
7116 Anisakis sp.
8111 Beroe cucumis Fabricius 1780
8113 Pleurobrachia sp.
8210 Physalia pelagica Lamarck xxxx - Portuguese Man of War
8311 Metridium senile Linnaeus 1767
8313 Stompnia coccinea Muller 1776
8315 Tealia felina Muller 1776
8316 Hormathia sp.
8317 Bolocera sp.
8318 Pennatula borealis M. Sars 1856 - Sea Pens
8319 Actinauge verrillii McMurrich 1893
8320 Cerianthus borealis Verrill 1873
8321 Epizoanthus incrustatus (Duben + Koren 1847)
8322 Primnoa resedaeformis (Pallas 1766)
8323 Paragorgia arborea (Linnaeus 1758)
8324 Duva multiflora xxxx - Sea Cauliflower
8405 Sertularia sp.

8411 Aglantha digitale (Muller 1776)
8421 Obelia sp.
8511 Cyanea capillata (Linnaeus 1758) - Pink Jellyfish
8610 Polymastia sp.
8615 Mycale sp.
8618 Haliclona sp.
8621 Haliclona oculata (Linne 1759) - Eyed Finger Sponge
8622 Hormathia tuberculosa xxxx
9405 Land Land Insects

## APPENDIX F

### ALPHABETICAL LISTING OF FISHES BY FAMILY AND HIGHER TAXA

| | |
|---|---|
| | ACIPENSERIFORMES |
| | AGNATHA |
| | ALBULIFORMES |
| | AMMODYTOIDEI |
| | ANGUILLIFORMES |
| 0634 | ANGUILLOIDEI - Unidentified Eels |
| | ANTENNAROIDEI |
| 0153 | ARGENTINIODEI |
| | ATHERINIFORMES |
| | AULOPIFORMES |
| 0272 | Acipenseridae - Sturgeons |
| 0351 | Agonidae - Poachers and Alligatorfishes |
| | Albulidae - Bonefishes |
| | Alepisauridae - Lancetfishes |
| | Alepocephalidae - Smoothheads |
| | Alopiidae - Thresher Sharks |
| 0590 | Ammodytidae - Sand Lances |
| 0059 | Anarhichadidae - Wolffishes |
| 0648 | Anguillidae - Fresh-water Eels |
| | Anoplogasteridae - Ogrefish |
| | Anotopteridae - Daggertooths |
| 0398 | Antennariidae - Frogfishes |
| 0697 | Apogonidae (incl. Cheilodipteridae & Epigonidae) - Cardinalfishes |
| 0288 | Argentinidae - Argentines |
| | Ariommidae |
| | Astronesthidae - Bighead Dragonfishes |
| 0669 | Atherinidae |
| 0219 | BATOIDEA - Skates and Rays |
| | BATRACHOIDIFORMES |
| 0802 | BERYCIFORMES |
| 0644 | BLENNIOIDEI - Blennies, Shannies, Gunnels |
| | Balistidae - Triggerfishes and Filefishes |
| 0276 | Bathylagidae - Deepsea Smelts |
| | Bathypteroidae - Tripod/Feeler Fishes |
| | Batrachoididae |
| | Belonidae |
| | Berycidae - Alfonsionos |
| 0196 | Bothidae - Lefteye Flounder |
| | Bramidae - Pomfrets |
| | Branchiostegidae - Tilefishes |
| | Bregmacerotidae - Codlets |
| 0655 | Bythitidae |
| | CALLIONYMOIDEI |
| | CARCHARHINIFORMES |
| 0687 | CERATIOIDEI |
| | CHIMAERIFORMES |
| | CHONDRICHTHYES |
| | CLUPEIFORMES |
| 0635 | Callionymidae - Dragonets |
| 0174 | Carangidae - Jacks and Pompanos |
| | Carapidae - Pearlfish |
| | Carcharhinidae - Requiem Sharks |
| | Caristiidae - Manefishes |
| 0415 | Caulophrynidae |
| | Centrolophidae - Medusa Fishes |
| | Ceratiidae - Seadevils |
| 0328 | Chaetodontidae (incl. Pomacanthidae) - Butterflyfishes |
| | Chauliodontidae - Viperfishes |
| | Chiasmodontidae - Black Swallowers |
| | Chimaeridae |
| | Chlorophthalmidae - Greeneyes |
| 0336 | Clupeidae - Herring |
| 0290 | Clupeidae/Osmeridae |
| 0429 | Congridae - Congers |
| | Coryphaenidae - Dolphins |

0312 Cottidae - Sculpins
Cryptacanthodidae - Wrymouths
0514 Cyclopteridae (incl. Liparidae) - Lumpfishes and Seasnails
Cynoglossidae - Tonguefishes
Cyprinodontidae - Killifishes
DACTYLOPTERIFORMES
Dactylopteridae - Flying Gurnards
Dasyatidae - Stingrays
Derichthyidae
0692 Diodontidae - Porcupine Fishes
Diretmidae - Spinyfishes
0458 Dysomminae
ELOPIFORMES
Echeneidae - Remoras
Elopidae - Tarpons
0034 Engraulidae -Anchovies
Eurypharyngidae - Gulpers
Evermannellidae
0748 Exocoetidae - Flyingfishes and Halfbeaks
Fistulariidae - Cornetfishes
GADIFORMES
0101 GADOIDEI
GALEOMORPHII
GASTEROSTEIFORMES
GOBIOIDEI
0251 Gadidae - Cods
0360 Gasterosteidae - Sticklebacks
0296 Gempylidae - Snake Mackerels
0420 Gerreidae
Gigantactinidae
0804 Gobiidae - Gobies
0745 Gonostomatidae - Lightfishes
Grammicolepididae - Grammicolepids
0263 Haemulidae - Grunts
Halosauridae
0490 Halosuridae
Himantolophidae - Footballfishes
Idiacanthidae - Sawtailfishes
Istiophoridae (incl. Makairidae) - Spearfishes and Sailfishes (Marlins)
Kyphosidae - Sea Chubs
0199 LABROIDEI
LAMNIFORMES
LAMPRIDIFORMES
0298 LOPHIIFORMES
LOPHIOIDEI
0036 Labridae - Wrasses
Lamnidae - Mackerel Sharks
Lampididae - Opahs
Lepisosteidae - Gars
Linophrynidae
Lophiidae - Goosefishes
0645 Lumpenidae
Lutjanidae - Snappers
MACROUROIDEI
MUGILOIDEI
0811 MYCTOPHIFORMES
0214 MYLIOBATIFORMES
MYXINIFORMES
0416 Macrouridae - Grenadiers
Malacosteidae - Loosejaws
Melamphaeidae
Melanocetidae
Melanonidae
Melanostomiatidae - Scaleless Dragonfishes
Merlucciidae
Mobulidae - Mantas
Molidae - Molas
0194 Moridae - Moras
0470 Moringuidae
0265 Mugilidae - Mullets
Mullidae - Goatfishes
0485 Muraenesocidae
0425 Muraenidae - Morays

0150 Myctophidae - Lanternfishes
Myxinidae
0463 Nemichthyidae - Snipe Eels
0475 Nettastomatidae
Nomeidae - Driftfishes
0662 Notacanthidae - Spiny Eels
Notosudidae
OPHIDIOIDEI
0560 OSTEICHTHYES
Odontaspididae - Sand Tigers
0694 Ogcocephalidae - Batfishes
Omosudidae
0683 Oneirodidae
0440 Ophichthidae - Snake Eels
0649 Ophidiidae (incl. Aphyonidae) - Cusk Eels
0337 Osmeridae - Smelts
Ostraciontidae - Boxfishes
0636 PERCIFORMES
0652 PERCOIDEI
PETROMYZONIFORMES
0346 PLEURONECTIFORMES
0713 Paralepididae (Sudidae ) - Barracudinas
Percichthyidae - Temperate Basses
Petromyzonidae - Lampreys
Pholidae - Gunnels
0049 Pleuronectidae - Righteye Flounder
Polymixiidae - Beardfishes
Pomacentridae - Damselfishes
Pomatomidae - Bluefishes
Priacanthidae - Bigeyes
RAJIFORMES
Rachycentridae - Cobias
0211 Rajidae
Rhinochimaeridae
SACCOPHARYNGOIDEI
SALMONOIDAE
0294 SALMONIFORMES
0073 SCOMBROIDEI
0299 SCORPAENIFORMES
SEMIONOTIFORMES
SPHYRAENOIDEI
SQUALIFORMES - Sharks
SQUALOMORPHII
0680 STOMIATIFORMES
STOMIATOIDEI
STROMATEOIDEI
Salmonidae - Trouts
0197 Scaridae - Parrotfish
Sciaenidae - Drums
Scomberesocidae - Sauries
Scombridae - Mackerels and Tunas
Scopelarchidae - Pearleyes
Scopnthalmidae
0280 Scorpaenidae - Scorpionfishes
Scyliorhinidae - Cat Sharks
Searsiidae - Tube Shouders
0715 Serranidae (incl. Anthiidae) - Sea Basses
Serrivomeridae
0457 Simenchelyinae
0326 Sparidae - Porgies
Sphyraenidae - Barracudas
Sphyrnidae - Hammerhead Sharks
0274 Squalidae
0741 Sternoptychidae - Silver Hatchetfishes
0639 Stichaeidae
0151 Stomiatidae - Scaled Dragonfishes
Stromateidae - Butterfishes
0455 Synaphobranchidae - Cutthroat Eels
0456 Synaphobranchinae
Syngnathidae - Seahorses and Pipefishes
Synodontidae - Lizardfishes
TETRAODONTIFORMES

TORPEDINIFORMES
TRACHINOIDEI
Tetragonuridae - Squaretails
Tetraodontidae (incl. Canthigasteridae) - Puffers
Torpedinidae - Electric ray
Trachichthyidae - Soldierfish
0689 Trichiuridae - Cutlassfishes
0329 Triglidae (incl. Peristediidae) - Searobins
0480 Xenocongridae
Xiphiidae - Swordfishes
ZEIFORMES
ZOARCOIDEI
Zeidae - Dories
0598 Zoarcidae - Eelpout

## APPENDIX G

### ALPHABETICAL LISTING OF INVERTEBRATES BY FAMILY AND HIGHER TAXA

| | |
|---|---|
| | ACANTHOCEPHALA |
| 8208 | ACTINIARIA - Sea Anemones, Sea Coral |
| | ALCYONACEA - Soft Corals |
| 2800 | AMPHIPODA |
| 3000 | ANNELIDA - Segmented Worms |
| | ANOMALODESMATA |
| | ANOMURA |
| 8300 | ANTHOZOA - Sea Anemone |
| | APLACOPHORA |
| | APODIDA |
| | ARBACIOIDA |
| 5200 | ARCHAEOGASTROPODA - Limpets |
| | ARICIIDA |
| | ARTHROPODA - Joint-Legged Animals |
| | ARTICULATA |
| | ASCARIDIDA |
| | ASCHELMINTHES |
| | ASCIDIACEA |
| | ASELLOTA |
| | ASTACIDEA |
| 6100 | ASTEROIDEA |
| | Acanthocolipaee |
| | Acartiidae |
| | Actinidae |
| | Actinostolidae |
| | Aegidae |
| | Aeolidiidae |
| | Aetideidae |
| | Allocreadiidae |
| | Alloposidae |
| 2855 | Ampeliscidae |
| 3146 | Ampharetidae |
| 3139 | Amphictenidae - Trumpet Worms |
| | Ampnicotylidae |
| 2860 | Amphithoidae |
| | Anisakidae |
| 4328 | Anomiidae |
| | Anthothelidae |
| | Aoridae |
| 3210 | Aphroditidae |
| | Aporrhaidae |
| 3107 | Arabellidae |
| | Arbaciidae |
| | Architeuthidae |
| | Arcticidae |
| | Arenicolidae |
| | Argonautidae |
| | Ascidiidae |
| | Astartidae |
| | Asteriidae |
| | Astropectinidae |
| 2540 | Axiidae |
| | Azgiidae |
| | BEROIDA |
| 4300 | BIVALVIA |
| 1930 | BRACHIOPODA - Lamp Shells |
| 2510 | BRACHYURA - True Crabs |
| | BRANCHIOPODA |
| 2995 | Balanidae |
| | Bathyteuthidae |
| | Benthopectinidae |
| | Beroidae |
| | Bodotriidae |
| | Bolitaenidae |
| | Bopyridae |
| | Bothriocephalidae |
| | Brachioteuthidae |

| | |
|---|---|
| | Bucephalidae |
| 4209 | Buccinidae |
| 2939 | CALANOIDA |
| | CALIGOIDA |
| | CAPITELLIDA |
| | CAPRELLIDEA |
| | CARIDEA |
| | CEPHALASPIDEA |
| 4500 | CEPHALOPODA - Squids and Octopuses |
| | CERIANTHARIA |
| 7700 | CESTOIDEA |
| | CHAETODERMATIDA |
| 5000 | CHAETOGNATHA - Arrow Worms |
| | CHELICERATA |
| 2990 | CIRRIPEDIA - Barnacles |
| 2350 | CLADOCERA |
| | CYCLOPOIDA |
| 6500 | CLYPEASTEROIDA - Sand Dollars |
| 8200 | CNIDARIA (COELENTERATA) |
| | CNIDOSPORIDIA |
| | COLLEMBOLA |
| 2900 | COPEPODA |
| 2901 | COPEPODA - Large (+ 3mm diameter) |
| 2902 | COPEPODA - Small (-3 mm diameter) |
| 2938 | COPEPODA, Nauplii |
| 6900 | CRINOIDEA - Sea Lilies |
| 2000 | CRUSTACEA |
| 2001 | CRUSTACEA Larvae |
| | CRYPTODONTA |
| 4310 | CRYPTODONTA, PTERIMORPHIA, PALAEOTAXODONTA, HETERODONTA, PRIONODESMATA, TELEODESMATA - Clams, N.S. |
| 8100 | CTENOPHORA - Comb Jellies |
| 8000 | CTENOPHORES, COELENTERATES and PORIFERA |
| 2970 | CUMACEA |
| 2945 | CYCLOPOIDA |
| | CYDIPPIDA |
| | Calanidae |
| | Caligidae |
| | Calliopiidae |
| | Campanulariidae |
| 2509 | Cancridae |
| | Candaciidae |
| | Capillariidae |
| 2870 | Caprellidae |
| 4340 | Cardiidae - Cockles |
| | Carditidae |
| | Caudinidae |
| | Centropagidae |
| | Chaetodermatidae |
| | Chiridotidae |
| | Chiroteuthidae |
| 2991 | Cirolanidae |
| | Cirroteuthidae |
| | Clionidae |
| 2840 | Corophiidae |
| | Cranchiidae |
| 2400 | Crangonidae - Snapping Shrimp |
| | Crepidulidae |
| | Ctenopterygidae |
| | Cucullanidae |
| | Cucumariidae |
| 6700 | Cucumariidae and Psolidae (Psoluses, Thyones, etc. Unidentified) |
| | Cuspidariidae |
| | Cyaneidae |
| 4430 | Cylichnidae - Canoe Shells |
| | Cystidicolidae |
| 2100 | DECAPODA - Shrimps |
| 2010 | DECAPODA Larvae |
| | DENDROCHIROTIDA |
| | DESMOSPONGIAE |
| 9406 | DIPTERA |
| | Dendronotidae |
| | Diastylidae |
| 6000 | ECHINODERMATA - Spiny-Skinned Animals |
| | ECHINOIDA |

| | |
|---|---|
| 6397 | ECHINOIDEA |
| 3330 | ECHIURIDA |
| 1920 | ECTOPROCTA (BRYOZOA) |
| 1900 | ECTOPROCTA, ENDOPROCTA and BRACHIOPODA |
| | ENOPLIDA |
| | ENTEROGONA |
| 1910 | ENTOPROCTA |
| | EPICARIDEA |
| | EUNICIDA |
| 2600 | EUPHAUSIACEA - Krill Shrimp |
| 2699 | EUPHAUSIACEA and MYSIDACEA |
| | Echinarachnidae |
| | Echinasteridae |
| | Echinorhynchidae |
| 3340 | Echiuridae |
| | Enoploteuthidae |
| | Epitoniidae |
| | Euchaetidae |
| 3085 | Eunicidae |
| 2610 | Euphausiidae |
| | Eusiridae |
| | FLABELLIFERA |
| | FLABELLIGERIDA |
| 1700 | FORAMINIFERA |
| | FORCIPULATIDA |
| | Fellodistomatidae |
| 4253 | Fissurellidae - Keyhole Limpets |
| 3170 | Flabelligeridae |
| | GALATHEIDEA |
| 2819 | GAMMARIDEA |
| 4200 | GASTROPODA - Snails and Slugs |
| | GORGONACEA - Gorgonian Corals |
| | GYMNOSOMATA |
| 2554 | Galatheidae |
| 2811 | Gammaridae |
| | Geryonidae |
| 3230 | Glyceridae |
| | Gonatidae |
| | Goniadidae |
| | Goniasteridae |
| | Goniopectinidae |
| 6309 | Gorgonocephalidae |
| 6300 | Gorgonocephalidae and Asteronychidae - Basket Stars |
| | Gyrodactylidae |
| | HADROMERIDA |
| | HAPLOSCLERIDA |
| | HETERODONTA |
| 3601 | HETEROPODA |
| 3600 | HETEROPODA and PTEROPODA - Sea Snail and Sea Butterfly |
| 6600 | HOLOTHUROIDEA - Sea Cucumbers |
| 8400 | HYDROZOA |
| 2905 | HYPERIIDEA |
| 2901 | HYPERIIDEA - OBSOLETE |
| | Haliclonidae |
| | Hemiuridae |
| | Heteropnyicae |
| | Hiatellidae |
| 2300 | Hippolytidae |
| | Histioteuthidae |
| | Hormathiidae |
| 2906 | Hyperiidae |
| | INSECTA |
| 1701 | INVERTEBRATA - Marine Invertebrates, N.S. |
| 2980 | ISOPODA |
| 2992 | Idoteidae |
| | Ischnocnitonidae |
| | Janiridae |
| 1830 | LARVACEA |
| | LEPTOMEDUSAE |
| | LERNAEOPODOIDA |
| | Lacistorhynchidae |

| | |
|---|---|
| | Lepidopleuridae |
| | Lepidoteuthidae |
| | Lepocreadiidae |
| 3185 | Leptonidae |
| | Lernaeidae |
| | Lernaeopodidae |
| | Leuconidae |
| | Limacinidae |
| | Lithodidae |
| 4250 | Littorinidae - Periwinkles |
| | Loliginidae |
| 4514 | Loliginidae and Ommastrephidae - Squid Nonspecified |
| 3190 | Lucinidae |
| 3117 | Lumbrinereidae |
| | Lycoteuthidae |
| 2830 | Lysianassidae |
| | MACURA |
| | MALACOSTRACA |
| | MANDIBULATA |
| | MEROSTOMATA - Horse-Shoe Crabs |
| | MESOGASTROPODA |
| | MICROSPORIDA |
| 4000 | MOLLUSCA |
| 4005 | MOLLUSCA Larvae |
| | MOLPADIIDA |
| | MONOGENEA |
| | MONOPISTHOCOTYLEA |
| | MYOIDA - Mya Clams, Philads, Shipworms |
| 2700 | MYSIDACEA - Mysid Shrimp |
| | MYTILOIDA |
| | Mactridae - Bar or Surf Clam |
| 2519 | Majidae - Spider Crabs, Unidentified |
| 3143 | Maldanidae - Filament Tube Worms |
| | Mastigoteuthidae |
| | Melitidae |
| | Metridiidae |
| | Molgulidae |
| | Molpadiidae |
| | Mopaliidae |
| | Munnopsidae |
| | Muricidae |
| | Mycalidae |
| | Myidae |
| | Mysidae |
| 4330 | Mytilidae - Mussels |
| | NEBALIACEA |
| | NEMATHELMINTHES |
| 7000 | NEMATHELMINTHES; NEMERTINEA and PLATYHELMINTHES - Parasites, round worms, ribbon worms, etc. |
| 7200 | NEMATOMORPHA |
| 7400 | NEMERTINEA (RHYNCHOCOELA) - OBSOLETE |
| 7100 | NEMATODA |
| | NEOGASTROPODA |
| | NEOLORICATA |
| | NUCULOIDA |
| | NUDA |
| 4400 | NUDIBRANCHIA - Sea Slugs |
| 4235 | Nassariidae - Dog Whelks |
| | Naticidae |
| | Nephropsidae |
| | Nephtheidae |
| 3115 | Nepthyidae |
| 3150 | Nereidae |
| 4360 | Nuculanidae |
| 4350 | Nuculidae - Nut Shell |
| | Nymphonidae |
| 4521 | OCTOPODA |
| 3175 | OLIGOCHAETA - Aquatic and Terrestrial Earthworms |
| | OPHIURIDA |
| 6200 | OPHIUROIDEA - Brittle Stars |
| | OPISTHORCHIIDA |
| 2650 | OSTRACODA |
| | OSTREINA |
| | Octopodidae |
| | Octopoteuthidae |

| | |
|---|---|
| | Ocythoidae |
| 2880 | Oedicerotidae |
| | Oikopleuridae |
| | Oithonidae |
| 4510 | Ommastrephidae |
| | Onuphidae |
| | Onychoteuthidae |
| | Opecoelidae |
| 3153 | Opheliidae |
| | Ophiactidae |
| | Ophiuridae |
| | Opisthorchiidae |
| | Opistoteuthidae |
| 3270 | Orbiniidae |
| | Ostreidae - Oysters |
| 2560 | PAGUROIDEA |
| | PALAECANTHOCEPHALA |
| | PALAEOTAXODONTA |
| | PANTOPODA |
| | PAXILLOSIDA |
| | PENAEIDA |
| | PENNATULACEA |
| | PHOLADOMYOIDA - Pandoras, Cuspidarians |
| | PHRYNOPHIURIDA |
| | PHYLLODOCIDA |
| | PLAGIORCHIIDA |
| | PLATYHELMINTHES |
| | PLEUROGONA |
| | POECILOSCLERIDA |
| 3100 | POLYCHAETA - Bristle Worms |
| 3101 | POLYCHAETA; Large ( 3mm diameter) |
| 3106 | POLYCHAETA arvae |
| 3102 | POLYCHAETA, Small (3mm diameter) |
| 4700 | POLYPLACOPHORA - Chitons |
| 8600 | PORIFERA - SpongesJellies |
| 3450 | PRIAPULIDA |
| 1800 | PROTOCHORDATA (UROCHORDATE and CEPHLACORDATE) |
| | PROTOZOA |
| | PSEUDOPHYLLIDEA |
| | PTERIOIDEA - Pearly and True Oysters, scallops |
| | PTERIOMORPHIA |
| 4600 | PTEROPODA - Sea Butterfly |
| 5100 | PYCNOGONIDA - Sea - Spider |
| 2559 | Paguridae - Hermit Crabs |
| 2240 | Palaemonidae |
| 2200 | Pandalidae |
| | Pandoridae |
| | Paracalanidae |
| | Paramphithoidae |
| 2219 | Pasiphaeidae |
| 4320 | Pectinidae - Scallops |
| 2450 | Penaeidae |
| | Pennatulacea |
| | Philinidae |
| 2845 | Phoxocephalidae |
| | Phyllobothriidae |
| | Phullophoridae |
| 3114 | Phyllodocidae |
| | Physaliidae |
| | Pleurobrachiidae |
| | Pleustidae |
| | Podoceridae |
| | Poduridae |
| | Polymorphidae |
| 3500 | Polynoidae |
| | Polyphemidae |
| 2865 | Pontogeneidae |
| | Poraniidae |
| 2515 | Portunidae |
| | Primnoidae |
| | Pseudocalanidae |
| | Psolidae |
| | Pterasteridae |

| | |
|---|---|
| 5101 | Pycnogonidae |
| | Pyuridae |
| 1750 | RADIOLARIDA |
| 5500 | RHYNCHOCOELA (NEMERTEA) |
| | RHYNCHONELLIDA |
| | Rhopalonematidae |
| | SABELLIDA |
| | SARCODINA |
| 4110 | SCAPHOPODA - Tusk or Toothshell |
| 8500 | SCYPHOZOA - Jellyfishes |
| | SEMAEOSTOMEAE |
| | SEPIOIDEA |
| | SEPTIBRANCHOIDEA |
| 8700 | SIPHONOPHORA |
| 3300 | SIPUNCULA (GEPHYREA) |
| | SOLEMYOIDA |
| | SPATANGOIDA |
| | SPINULOSIDA |
| | SPIONIDA |
| | SPIRURIDA |
| | STELLEROIDEA |
| | STERNASPIDA |
| | STRIGEIDA |
| 3138 | Sabellidae |
| 1840 | Salpidae |
| | Schizasteridae |
| | Sepiolidae |
| | Sertularidae |
| | Skeneopsidae - Orb Shells |
| | Solasteridae |
| | Solemyacidae |
| | Solenidae - Razor Shell Clam |
| | Spatangidae |
| | Sphyriidae |
| 3164 | Spionidae |
| | Spirulidae |
| | Stauroteuthidae |
| | Sternaspidae |
| | Strongylocentrotidae |
| | Styelidae |
| | Suberitidae |
| | TANAIDACEA |
| | TENTACULATA |
| | TEREBELLIDA |
| | TEREBRATULIDA |
| | TETRAPHYLLIDEA |
| 4501 | TEUTHOIDEA |
| 2565 | THALASSINIDEA - Mud Shrimp |
| 1845 | THALIACEA |
| | THECATA |
| | THECOSOMATA |
| | TRACHYMEDUSAE |
| 7600 | TREMATODA |
| | TRYPANORHYNCA |
| 1810 | TUNICATA (UROCHORDATA) |
| 7500 | TURBELLARIA |
| 2940 | Tanaidae |
| 4370 | Tellinidae |
| | Temoridae |
| | Tentaculariidae |
| 3160 | Terebellidae |
| 3180 | Thraciidae |
| | Thyasiridae |
| 2850 | Tironidae |
| 3134 | Tomopteridae |
| | Tremoctopodidae |
| 4255 | Trochidae - Top Shells |
| | Turritellidae |
| | Udonellidae |
| | Ulmaridae |
| | VALVATIDA |
| | VALVIFERA |
| | VAMPYROMORPHA |
| | VENEROIDA - Lucines, Cockles, Razor Clams, Tellins, Venus Clams |

Vamproteuthidae
Velutinidae
4329 Veneridae
Xanthidae
ZOANTHIDEA
Zoogonidae

## APPENDIX H

### NUMERICAL LISTING OF FISHES BY FAMILY AND HIGHER TAXA

ACIPENSERIFORMES
AGNATHA
ALBULIFORMES
AMMODYTOIDEI
ANGUILLIFORMES
ANTENNAROIDEI
ATHERINIFORMES
AULOPIFORMES
Albulidae - Bonefishes
Alepisauridae - Lancetfishes
Alepocephalidae - Smoothheads

Alopiidae - Thresher Sharks

Anoplogasteridae - Ogrefish
Anotopteridae - Daggertooths
Ariommidae
Astronesthidae - Bighead Dragonfishes
BATRACHOIDIFORMES
Balistidae - Triggerfishes and Filefishes
Bathypteroidae - Tripod/Feeler Fishes
Batrachoididae
Belonidae
Berycidae - Alfonsionos

Bramidae - Pomfrets
Branchiostegidae - Tilefishes
Bregmacerotidae - Codlets
CALLIONYMOIDEI
CARCHARHINIFORMES

CHIMAERIFORMES
CHONDRICHTHYES
CLUPEIFORMES

Carapidae - Pearlfish
Carcharhinidae - Requiem Sharks
Caristiidae - Manefishes
Centrolophidae - Medusa Fishes
Ceratiidae - Seadevils
Chauliodontidae - Viperfishes
Chiasmodontidae - Black Swallowers
Chimaeridae
Chlorophthalmidae - Greeneyes
Coryphaenidae - Dolphins
Cryptacanthodidae - Wrymouths
Cynoglossidae - Tonguefishes
Cyprinodontidae - Killifishes

DACTYLOPTERIFORMES
Dactylopteridae - Flying Gurnards
Dasyatidae - Stingrays
Derichthyidae
Diretmidae - Spinyfishes
ELOPIFORMES

Echeneidae - Remoras

Elopidae - Tarpons
Eurypharyngidae - Gulpers
Evermannellidae
Fistulariidae - Cornetfishes

GADIFORMES
GALEOMORPHII
GASTEROSTEIFORMES
GOBIOIDEI
Gigantactinidae
Grammicolepididae - Grammicolepids
Halosauridae

Himantolophidae - Footballfishes
Idiacanthidae - Sawtailfishes
Istiophoridae (incl. Makairidae) - Spearfishes and Sailfishes (Marlins)
Kyphosidae - Sea Chubs
LAMNIFORMES
LAMPRIDIFORMES
LOPHIOIDEI
Lamnidae - Mackerel Sharks
Lampridiidae - Opahs
Lepisosteidae - Gars

Linophrynidae
Lophiidae - Goosefishes
Lutjanidae - Snappers
MACROUROIDEI
MUGILOIDEI
MYXINIFORMES
Malacosteidae - Loosejaws
Melamphaeidae
Melanocetidae
Melanonidae
Melanostomiatidae - Scaleless Dragonfishes
Merlucciidae
Mobulidae - Mantas
Molidae - Molas
Mullidae - Goatfishes
Myxinidae
Nomeidae - Driftfishes
Notosudidae
OPHIDIOIDEI
Odontaspididae - Sand Tigers
Omosudidae
Ostraciontidae - Boxfishes
PETROMYZONIFORMES

Percichthyidae - Temperate Basses
Petromyzonidae - Lampreys
Pholidae - Gunnels
Polymixiidae - Beardfishes

Pomacentridae - Damselfishes
Pomatomidae - Bluefishes
Priacanthidae - Bigeyes
RAJIFORMES
Rachycentridae - Cobias
Rhinochimaeridae
SACCOPHARYNGOIDEI
SALMONOIDAE
SEMIONOTIFORMES
SPHYRAENOIDEI
SQUALIFORMES - Sharks
SQUALOMORPHII
STOMIATOIDEI
STROMATEOIDEI
Salmonidae - Trouts
Sciaenidae - Drums
Scomberesocidae - Sauries
Scombridae - Mackerels and Tunas
Scopelarchidae - Pearleyes
Scophthalmidae
Scyliorhinidae - Cat Sharks
Searsiidae - Tube Shouders
Serrivomeridae
Sphyraenidae - Barracudas

Sphyrnidae - Hammerhead Sharks
Stromateidae - Butterfishes
Syngnathidae - Seahorses and Pipefishes
Synodontidae - Lizardfishes
TETRAODONTIFORMES
TORPEDINIFORMES
TRACHINOIDEI
Tetragonuridae - Squaretails
Tetraodontidae (incl. Canthigasteridae) - Puffers
Torpedinidae - Electric ray
Trachichthyidae - Soldierfish
Xiphiidae - Swordfishes
ZEIFORMES
ZOARCOIDEI
Zeidae - Dories
0034 Engraulidae -Anchovies
0036 Labridae - Wrasses
0049 Pleuronectidae - Righteye Flounder
0059 Anarhichadidae - Wolffishes
0073 SCOMBROIDEI
0101 GADOIDEI
0150 Myctophidae - Lanternfishes
0151 Stomiatidae - Scaled Dragonfishes
0153 ARGENTINIODEI
0174 Carangidae - Jacks and Pompanos
0194 Moridae - Moras
0196 Bothidae - Lefteye Flounder
0197 Scaridae - Parrotfish
0199 LABROIDEI
0211 Rajidae
0214 MYLIOBATIFORMES
0219 BATOIDEA - Skates and Rays
0251 Gadidae - Cods
0263 Haemulidae - Grunts
0265 Mugilidae - Mullets
0272 Acipenseridae - Sturgeons
0274 Squalidae
0276 Bathylagidae - Deepsea Smelts
0280 Scorpaenidae - Scorpionfishes
0288 Argentinidae - Argentines
0290 Clupeidae/Osmeridae
0294 SALMONIFORMES
0296 Gempylidae - Snake Mackerels
0298 LOPHIIFORMES
0299 SCORPAENIFORMES
0312 Cottidae - Sculpins
0326 Sparidae - Porgies
0328 Chaetodontidae (incl. Pomacanthidae) - Butterflyfishes
0329 Triglidae (incl. Peristediidae) - Searobins
0336 Clupeidae - Herring
0337 Osmeridae - Smelts
0346 PLEURONECTIFORMES
0351 Agonidae - Poachers and Alligatorfishes
0360 Gasterosteidae - Sticklebacks
0398 Antennariidae - Frogfishes
0415 Caulophrynidae
0416 Macrouridae - Grenadiers
0420 Gerreidae
0425 Muraenidae - Morays
0429 Congridae - Congers
0440 Ophichthidae - Snake Eels
0455 Synaphobranchidae - Cutthroat Eels
0456 Synaphobranchinae
0457 Simenchelyinae
0458 Dysomminae
0463 Nemichthyidae - Snipe Eels
0470 Moringuidae
0475 Nettastomatidae
0480 Xenocongridae
0485 Muraenesocidae
0490 Halosuridae
0514 Cyclopteridae (incl. Liparidae) - Lumpfishes and Seasnails

0560 OSTEICHTHYES
0590 Ammodytidae - Sand Lances
0598 Zoarcidae - Eelpout
0634 ANGUILLOIDEI - Unidentified Eels
0635 Callionymidae - Dragonets
0636 PERCIFORMES
0639 Stichaeidae
0644 BLENNIOIDEI - Blennies, Shannies, Gunnels
0645 Lumpenidae
0648 Anguillidae - Fresh-water Eels
0649 Ophidiidae (incl. Aphyonidae) - Cusk Eels
0652 PERCOIDEI
0655 Bythitidae
0662 Notacanthidae - Spiny Eels
0669 Atherinidae
0680 STOMIATIFORMES
0683 Oneirodidae
0687 CERATIOIDEI
0689 Trichiuridae - Cutlassfishes
0692 Diodontidae - Porcupine Fishes
0694 Ogcocephalidae - Batfishes
0697 Apogonidae (incl. Cheilodipteridae & Epigonidae) - Cardinalfishes
0713 Paralepididae (Sudidae ) - Barracudinas
0715 Serranidae (incl. Anthiidae) - Sea Basses
0741 Sternoptychidae - Silver Hatchetfishes
0745 Gonostomatidae - Lightfishes
0748 Exocoetidae - Flyingfishes and Halfbeaks
0802 BERYCIFORMES
0804 Gobiidae - Gobies
0811 MYCTOPHIFORMES

# APPENDIX I

## NUMERICAL LISTING OF INVERTEBRATES BY FAMILY AND HIGHER TAXA

ACANTHOCEPHALA
ALCYONACEA - Soft Corals
ANOMALODESMATA
ANOMURA
APLACOPHORA
APODIDA
ARBACIOIDA
ARICIIDA
ARTHROPODA - Joint-Legged Animals
ARTICULATA
ASCARIDIDA
ASCHELMINTHES
ASCIDIACEA
ASELLOTA
ASTACIDEA
Acanthocolipaee
Acartiidae
Actinidae
Actinostolidae
Aegidae
Aeolidiidae
Aetideidae
Allocreadiidae
Alloposidae
Amphicotylidae
Anisakidae
Anthothelidae
Aoridae
Aporrhaidae
Arbaciidae
Architeuthidae
Arcticidae
Arenicolidae
Argonautidae
Ascidiidae
Astartidae
Asteriidae
Astropectinidae
Azygiidae
BEROIDA
BRANCHIOPODA
Bathyteuthidae
Benthopectinidae
Beroidae
Bodotriidae
Bolitaenidae
Bopyridae
Bothriocephalidae
Brachioteuthidae
Bucephalidae
CALIGOIDA
CAPITELLIDA
CAPRELLIDEA
CARIDEA
CEPHALASPIDEA
CERIANTHARIA
CHAETODERMATIDA
CHELICERATA
CNIDOSPORIDIA
COLLEMBOLA
CRYPTODONTA
CYCLOPOIDA
CYDIPPIDA
Calanidae
Caligidae
Calliopiidae
Campanulariidae

Candaciidae
Capillariidae
Carditidae
Caudinidae
Centropagidae
Chaetodermatidae
Chiridotidae
Chiroteuthidae
Cirroteuthidae
Clionidae
Cranchiidae
Crepidulidae
Ctenopterygidae
Cucullanidae
Cucumariidae
Cuspidariidae
Cyaneidae
Cystidicolidae
DENDROCHIROTIDAE
DESMOSPONGIAE
Dendronotidae
Diastylidae
ECHINOIDA
ENOPLIDA
ENTEROGONA
EPICARID A
EUNICIDA
Echinarachnidae
Echinasteridae
Echinorhynchidae
Enoploteuthidae
Epitoniidae
Euchaetidae
Eusiridae
FLABELLIFERA
FLABELLIGERIDA
FORCIPULATIDA
Fellodistomatidae
GALATHEIDEA
GORGONACEA - Gorgonian Corals
GYMNOSOMATA
Geryonidae
Gonatidae
Goniadidae
Goniasteridae
Goniopectinidae
Gyrodactylidae
HADROMERIDA
HAPLOSCLERIDA
HETERODONTA
Haliclonidae
Hemiuridae
Heterophyidae
Hiatellidae
Histioteuthidae
Hormathiidae
INSECTA
Ischnochitonidae
Janiridae
LEPTOMEDUSAE
LERNAEOPODOIDA
Lacistorhynchidae
Lepidopleuridae
Lepidoteuthidae
Lepocreadiidae
Lernaeidae
Lernaeopodidae
Leuconidae
Limacinidae
Lithodidae
Loliginidae
Lycoteuthidae
MACURA

MALACOSTRACA
MANDIBULATA
MEROSTOMATA - Horse-Shoe Crabs
MESOGASTROPODA
MICROSPORIDA
MOLPADIIDA
MONOGENEA
MONOPISTHOCOTYLEA
MYOIDA - Mya Clams, Philads, Shipworms
MYTILOIDA
Mactridae - Bar or Surf Clam
Mastigoteuthidae
Melitidae
Metridiidae
Molgulidae
Molpadiidae
Munnopsidae
Muricidae
Mycalidae
Myidae
Mysidae

NEBALIACEA
NEMATHELMINTHES
NEOGASTROPODA
NEOLORICATA
NUCULOIDA
NUDA
Naticidae
Nephropsidae
Nephtheidae
Nymphonidae
OPHIURIDA
OPISTHORCHIIDA
OSTREINA
Octopodidae
Octopoteuthidae
Ocythoidae
Oikopleuridae
Oithonidae
Onuphidae
Onychoteuthidae
Opecoelidae
Ophiactidae
Ophiuridae
Opisthorchiidae
Opistoteuthidae
Ostreidae - Oysters
PALAECANTHOCEPHALA
PALAEOTAXODONTA
PANTOPODA
PAXILLOSIDA
PENAEIDA
PENNATULACEA
PHOLADOMYOIDA - Pandoras, Cuspidarians
PHRYNOPHIURIDA
PHYLLODOCIDA
PLAGIORCHIIDA
PLATYHELMINTHES
PLEUROGONA
POECILOSCLERIDA
PROTOZOA
PSEUDOPHYLLIDEA
PTERIOIDEA - Pearly and True Oysters, scallops
PTERIOMORPHIA
Pandoridae
Paracalanidae
Paramphithoidae
Pennatulacea
Philinidae
Phullophoridae
Phyllobothriidae

Physaliidae
Pleurobrachiidae
Pleustidae
Podoceridae
Poduridae
Polymorphidae
Polynoidae
Polyphemidae
Poraniidae
Primnoidae
Pseudocalanidae
Psolidae
Pterasteridae
Pyuridae

RHYNCHONELLIDAE
Rhopalonematidae
SABELLIDAE
SARCODINA
SEMAEOSTOMEAE
SEPIOIDEA
SEPTIBRANCHOIDEA
SOLEMYOIDA
SPATANGOIDA
SPINULOSIDA
SPIONIDA
SPIRURIDA
STELLEROIDEA
STERNASPIDA
STRIGEIDA
Schizasteridae
Sepiolidae
Sertularidae
Skeneopsidae - Orb Shells
Solasteridae
Solemyacidae
Solenidae - Razor Shell Clam
Spatangidae
Sphyriidae
Spirulidae
Stauroteuthidae
Sternaspidae
Strongylocentrotidae
Styelidae
Suberitidae
TANAIDACEA
TENTACULATA
TEREBELLIDA
TEREBRATULIDA
TETRAPHYLLIDEA
THECATA
THECOSOMATA
TRACHYMEDUSAE
TRYPANORHYNCA
Temoridae
Tentaculariidae
Thyasiridae
Tremoctopodidae
Turritellidae
Udonellidae
Ulmaridae
VALVATIDA
VALVIFERA
VAMPYROMORPHA
VENEROIDA - Lucines, Cockles, Razor Clams, Tellins, Venus Clams
Vamproteuthidae
Velutinidae
Xanthidae
ZOANTHIDEA
Zoogonidae

1700 FORAMINIFERA
1701 INVERTEBRATA - Marine Invertebrates - Non-specified
1750 RADIOLARIDA
1800 PROTOCHORDATA (UROCHORDATE and CEPHLACORDATE)

1810 TUNICATA (UROCHORDATA)
1830 LARVACEA
1840 Salpidae
1845 THALIACEA
1900 ECTOPROCTA, ENDOPROCTA and BRACHIOPODA
1910 ENTOPROCTA
1920 ECTOPROCTA (BRYOZOA)
1930 BRACHIOPODA - Lamp Shells
2000 CRUSTACEA
2001 CRUSTACEA Larvae
2010 DECAPODA Larvae
2100 DECAPODA - Shrimps
2200 Pandalidae
2219 Pasiphaeidae
2240 Palaemonidae
2300 Hippolytidae
2350 CLADOCERA
2400 Crangonidae - Snapping Shrimp
2450 Penaeidae
2509 Cancridae
2510 BRACHYURA - True Crabs
2515 Portunidae
2519 Majidae - Spider Crabs, Unidentified
2540 Axiidae
2554 Galatheidae
2559 Paguridae - Hermit Crabs
2560 PAGUROIDEA
2565 THALASSINIDEA - Mud Shrimp
2600 EUPHAUSIACEA - Krill Shrimp
2610 Euphausiidae
2650 OSTRACODA
2699 EUPHAUSIACEA and MYSIDACEA
2700 MYSIDACEA - Mysid Shrimp
2800 AMPHIPODA
2801 HYPERIIDAE - OBSOLETE
2811 Gammaridae
2819 GAMMARIDEA
2830 Lysianassidae
2840 Corophiidae
2845 Phoxocephalidae
2850 Tironidae
2855 Ampeliscidae
2860 Amphithoidae
2865 Pontogeneidae
2870 Caprellidae
2880 Oedicerotidae
2900 COPEPODA
2901 COPEPODA - Large (+ 3mm diameter)
2902 COPEPODA - Small (-3 mm diameter)
2905 HYPERIIDEA
2906 Hyperiidae
2938 COPEPODA, Nauplii
2939 CALANOIDA
2940 Tanaidae
2945 CYCLOPOIDA
2970 CUMACEA
2980 ISOPODA
2990 CIRRIPEDIA - Barnacles
2991 Cirolanidae
2992 Idoteidae
2995 Balanidae
3000 ANNELIDA - Segmented Worms
3085 Eunicidae
3100 POLYCHAETA - Bristle Worms
3101 POLYCHAETA, Large (+ 3mm diameter)
3102 POLYCHAETA, Small (- 3mm diameter)
3106 POLYCHAETA Larvae
3107 Arabellidae
3114 Phyllodocidae
3115 Nepthyidae
3117 Lumbrinereidae
3134 Tomopteridae
3138 Sabellidae
3139 Amphictenidae - Trumpet Worm

3143 Maldanidae - Filament Tube Worms
3146 Ampharetidae
3150 Nereidae
3153 Opheliidae
3160 Terebellidae
3164 Spionidae
3170 Flabelligeridae
3175 OLIGOCHAETA - Aquatic and Terrestrial Earthworms
3180 Thraciidae
3185 Leptonidae
3190 Lucinidae
3210 Aphroditidae
3230 Glyceridae
3270 Orbiniidae
3300 SIPUNCULA (GEPHYREA)
3330 ECHIURIDA
3340 Echiuridae
3450 PRIAPULIDA
3500 Polynoidae
3600 HETEROPODA and PTEROPODA - Sea snails and Sea-Butterflies
3601 HETEROPODA
4000 MOLLUSCA
4005 MOLLUSCA Larvae
4110 SCAPHOPODA - Tusk or Toothshell
4200 GASTROPODA - Snails
4209 Buccinidae
4235 Nassariidae - Dog Winkles
4250 Littorinidae - Periwinkles
4253 Fissurellidae - Keyhole Limpets
4255 Trochidae - Top Shells
4300 BIVALVIA
4310 CRYPTODONTA, PTERIMORPHIA, PALAEOTAXODONTA, HETERODONTA, PRIONODESMATA, TELEODESMATA - Clams, Non-specified
4320 Pectinidae - Scallops
4328 Anomiidae
4329 Veneridae
4330 Mytilidae - Mussels
4340 Cardiidae - Cockles
4350 Nuculidae - Nut Shell
4360 Nuculanidae
4370 Tellinidae
4400 NUDIBRANCHIA - Sea Slugs
4430 Cylichnidae - Canoe Shells
4500 CEPHALOPODA - Squids and Octopuses
4501 TEUTHOIDEA
4510 Ommastrephidae
4514 Loliginidae and Ommastrephidae - Squid Non-specified
4521 OCTOPODA
4600 PTEROPODA - Sea Butter
4700 POLYPLACOPHORA - Chitons
5000 CHAETOGNATHA - Arrow Worms
5100 PYCNOGONIDA
5101 Pycnogonidae
5200 ARCHAEOGASTROPODA - Limpets
5500 RHYNCHOCOELA (NEMERTEA)
6000 ECHINODERMATA - Spiny-Skinned Animals
6100 ASTEROIDEA
6200 OPHIUROIDEA - Brittle Stars
6300 Gorgonocephalidae and Asteronychidae - Basket Stars
6309 Gorgonocephalidae
6397 ECHINOIDEA
6500 CLYPEASTEROIDA - Sand Dollars
6600 HOLOTHUROIDEA - Sea Cucumbers
6700 Cucumariidae and Psolidae (Psoluses, Thyones, etc. Unidentified)
6900 CRINOIDEA - Sea Lilies
7100 NEMATODA
7200 NEMATOMORPHA
7400 NEMERTINEA (RHYNCHOCOELA) - OBSOLETE
7500 TURBELLARIA
7600 TREMATODA
7700 CESTOIDA
7000 NEMATHELMINTHES, NEMERTINEA and PLATYHELMINTHES - Parasites, ribbon worms, round worms
7100 NEMATODA

7200 NEMATOMORPHA
7400 NEMERTINEA (RHYNCHOCOELA) - OBSOLETE
7500 TURBELLARIA
7600 TREMATODA
7700 CESTOIDA
8100 CTENOPHORES, COELENTERATES and PORIFERA
8200 CNIDARIA (COELENTERATA)
8210 ANTHOZOA - Sea Anemone
8300 ACTINIARIA - Sea Anemones, Sea Coral
8400 HYDROZOA
8500 SCYPHOZOA - Jellyfishes
8600 PORIFERA - Sponges
8700 SIPHONOPHORA
9406 DIPTERA
9430 . CHELONIA - Tortoises and Sea- Going Turtles

# APPENDIX J

## ALPHABETICAL LISTING OF FISH EGGS BY NAME

| | |
|---|---|
| 1226 | Ammodytes sp. - Sand Lance |
| 1252 | Argentina silas |
| 1235 | Brosme brosme - Cusk |
| 1250 | Citharichthys arctifrons -Gulfstream Flounder |
| 1221 | Clupea harengus - Herring |
| 1237 | Cod/Haddock |
| 1242 | Cod/Haddock/Witch |
| 1244 | Cunner/Yellowtail |
| 1243 | Cusk/Mackerel |
| 1225 | Cyclopterus lumpus - Lumpfish |
| 1229 | Enchelyopus cimbrius - Fourbeard Rockling |
| 1210 | F. Gadidae - Cod |
| 1200 | Fish Eggs Unidentified |
| 1211 | Gadus morhua - Cod |
| 1227 | Glyptocephalus cynoglossus - Witch Flounder |
| 1260 | Gonostomatidae |
| 1236 | H4B |
| 1220 | Hipplglossina oblonga |
| 1222 | Hippoglossoides platessoides - Plaice |
| 1248 | Hippoglossus hippoglossus - Atlantic Halibut |
| 1228 | Icelus sp. - Sculpins |
| 1230 | Limanda ferruginea - Yellowtail Flounder |
| 1238 | Lophius americana - Monkfish/Angler |
| 1212 | Melanogrammus aeglefinus - Haddock |
| 1245 | Merluccius albidus - Offshore Hake |
| 1239 | Merluccius bilinearis - Silver Hake |
| 1231 | PLEURONECTIFORMES - Flatfishes Unidentified |
| 1251 | Paralicthys dentatus - Summer Flounder |
| 1247 | Pollachius virens - Pollock |
| 1234 | Peprilus triacanthus - Butterfish |
| 1224 | Raja sp. - Skate |
| 1223 | Scomber scombrus - Mackerel |
| 1249 | Scophthalmus aquosus - Brill-Windowpane Flounder |
| 1240 | Silver/Long-fin Hake |
| 1241 | Silver Long-fin Hake/Fourbeard Rockling |
| 1232 | Tautogolabrus adspenrus - Cunner |
| 1233 | Urophycis tenuis - White Hake |
| 1246 | Urophycis sp. - Hake |

APPENDIX K

ALPHABETICAL LISTING OF INVERTEBRATE EGGS BY NAME

| | |
|---|---|
| 1400 | ANNELIDA - Segmented Worms |
| 1420 | *Aphrodite aculeata* - Sea Mouse |
| 1510 | Buccinidae - Whelks |
| 1530 | CEPHALOPODA - Squid |
| 1309 | COPEPODA |
| 1314 | CRAB |
| 1313 | CRAGONID |
| 1300 | CRUSTACEA |
| 1310 | DECAPODA |
| 1511 | GASTEROPODA - Snails and Slugs |
| 1316 | HERMIT CRAB |
| 1312 | HIPPOLYTID |
| 1305 | Invertebrate Eggs - Unidentified |
| 1315 | LOBSTER |
| 1500 | MOLLUSCA - Mollusks |
| 1440 | NEMATODA - Tube Worms |
| 1600 | Others - Invertebrates |
| 1311 | PANDALID |
| 1520 | PELECYPODA - Bivalve Molluscs |
| 1410 | POLYCHAETA - Bristle Worms |
| 1430 | SIPUNCULA (GEPHYREA) |

# APPENDIX L

## NUMERICAL LISTING OF MARINE PLANTS BY CODE NUMBER

| | |
|---|---|
| | ALGAE |
| | CHLOROPHYCEAE - Green Seaweeds |
| | Ulvaceae |
| 9300 | THALLOPHYTA - Algae (Seaweeds), Kelp |
| 9301 | Fucus sp. - Brown Rockweed |
| 9302 | Ulva sp. - Sea Lettuce |
| 9303 | PHAEOPHYCEAE - Brown Seaweeds |
| 9304 | RHODOPHYCEAE - Red Seaweeds |

APPENDIX M

NUMERICAL LISTING OF MARINE MAMMALS BY CODE NUMBER

| | |
|---|---|
| | CETACEA |
| | ODONTOCEIT |
| | Ziphiidae |
| | Delphinidae |
| | PINNIPEDIA |
| | PHOCOIDEA |
| | OTARIOIDEA |
| 0900 | Phocidae |
| 0910 | Odobenidae |
| 0920 | Whales Unidentified |
| 0921 | Globicephalus malaena (Traill 1809) - Atlantic Pilot Whale |
| 0922 | Hyperoodon ampullatus (Forster 1770) Northern Bottlenosed Whale |
| 0930 | Dolphins Unidentified |
| 0931 | Tursiops truncatus (Montagu 1821) - Atlantic Bottlenosed Dolphin |
| 0932 | Lagenorhynchus albirostris Gray 1846 - White Beaked Dolphin |
| 0933 | Lagenorhynchus acutus (Gray 1828) - Atlantic White sided Dolphin |

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